

# Monthly Labor Review

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DECEMBER 1953 VOL. 76 NO.

12

**Dual Loyalty in Industrial Society**

**Occupational Wage Levels in 20 Labor Markets**

**Taxation and Lower Income Groups**

**Workmen's Compensation in the United States:  
VIII—Rehabilitation**

**UNITED STATES DEPARTMENT OF LABOR**

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# Monthly Labor Review

UNITED STATES DEPARTMENT OF LABOR • BUREAU OF LABOR STATISTICS

LAWRENCE R. KLEIN, *Editor*

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UNITED STATES DEPARTMENT OF LABOR • BUREAU OF LABOR STATISTICS

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LAWRENCE R. KLEIN, *Editor*

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# The Labor Month in Review

THE LABOR PRESS in recent weeks has devoted an extraordinary amount of space to economic indices. This same preoccupation, with a somewhat more apprehensive tone, occupied a goodly portion of the CIO annual convention deliberations in Cleveland, November 16-20. A lengthy report to the meeting expressed a "growing concern over what lies ahead in the next 6 or 12 months and beyond . . ." It pointed to "signs" which "should be a signal to the Nation to seek out and encourage new sources of strength to halt the already apparent slackening in production. . . . Once and for all, all groups of the population must realize that a healthy expanding peacetime economy can, in the long run, only be based on an ever broader consumption level."

About 2 weeks later, at an employment conference in Washington sponsored by the Auto Workers, largest of the CIO affiliates, the Secretary of Labor analyzed the economic situation for the 1,000 local union delegates. After pointing to the strong position and outlook for capital investment, Government procurement, and consumer consumption (with real per capita disposable income 2 percent higher than a year ago), the Secretary noted that "the competitive system is again in full swing. The buyer can now exercise discrimination in his purchases and seek to get more for his dollar. The result will be better values via closer scrutiny of costs and prices."

"It is worth bearing in mind in times such as these that growth is never a straight line upward at a steady pace, whether it be in the case of a child or in the case of the most complex economy the world has ever known. The line of growth, examined in the perspective of years, is a jagged one . . . The present dip from last spring's peaks still leaves us on a very high plateau. It also leaves us in a position for sound economic growth."

The employment conference urged higher un-

employment compensation benefits. From two other sources had come earlier reports advocating a review of the operations and benefit structure of the State-operated unemployment insurance systems. One was the findings of the American Assembly (a broad, representative citizens' group of experts) on the subject of economic security for Americans. The other was the tripartite Federal Advisory Council of the Labor Department, which pointed out, among other items, that current benefits represent only 33 percent of average earnings, compared with 41 percent in 1949.

THE CIO CONVENTION in Cleveland, with unanimity and with a visible enthusiasm abated only by the United Steelworkers delegation, elected Walter P. Reuther president for a second term. It also unanimously approved the no-raid agreement with the American Federation of Labor, effective on January 1, 1954, for the two organizations and those of their affiliated international unions which ratify it. The basic policy of the CIO was unchanged by any convention action. The initiative for organization of new members, however, appeared to have passed from the central administration to the international unions, with current success noted among telephone and electrical workers. All officers were reelected without opposition.

There appeared to be a community of interest between the AFL and CIO, in seeking liaison with farmer groups. This was evidenced by AFL president, George Meany, in his address to the annual meeting of the National Grange where he called for an investigation of the "shocking spread" between retail prices and declining farm prices. On the CIO side, a featured speaker at its convention was Fred V. Heinkel of the Missouri Farm Association. At the western hearings of the House Agricultural Committee, five CIO spokesmen, headed by O. A. Knight, president of the Oil Workers, testified in behalf of policies beneficial to farmers. Mr. Reuther, in a publicized letter to Mr. Knight, asked him to make clear that the CIO had no present or future intent to organize farmers. He emphasized that the farmers should be organized, but in their own, separate groups.

With the conventions of both major labor organizations committed to unity, attention was turned to the scheduled December meetings of the joint



unity committee and to signs of international unions ratifying the no-raid agreement. It was expected that not much action in this direction would be forthcoming, pending anticipated discussion of the matter by the Teamsters in February.

A chance that the 40-year-old jurisdictional dispute between the AFL Machinists and Carpenters might be settled appeared stronger with a second meeting of representatives of the 2 unions with 2 outside consultants. The dispute revolves around the issue of machinery installation.

ON THE MURKIER SIDE of the labor news, officials of the Teamsters in Michigan and Minnesota were involved in investigations by the House labor committee over matters relating to handling of the union's health and welfare insurance funds. The Michigan hearings were directed especially at James R. Hoffa, an international vice president of the union and head of its Central States Conference. A Federal grand jury investigation has been ordered.

The New York waterfront situation at mid-December still had two longshore unions (AFL and ex-AFL) fighting for exclusive supremacy. But Joseph P. Ryan was president of neither. The independent ILA "retired" him as head of the union the AFL had expelled for practices inimical to honorable unionism. William V. Bradley succeeded him. On December 1, the bi-State (New York and New Jersey) commission to control hiring in the port of New York went into operation. Further important developments awaited (a) the expiration of the 80-day Taft-Hartley injunction preventing a strike by either union until December 25; (b) NLRB determination of the scope of the bargaining unit; (c) NLRB determination of the appropriate bargaining representative through an election; and (d) NLRB decision on the AFL charge that the expelled union was employer-dominated. Aside from the main issue of the struggle, the Teamsters have claimed jurisdiction over loading and unloading trucks entering piers and waterfront warehouses. This work had formerly been done by ILA-affiliated "public loaders" now outlawed by the bi-State legislation.

The UAW-CIO strike against the plants of North American Aviation, Inc., was settled as it approached the 60-day mark, for a 4-percent

increase, approximately the original company offer. The union had retreated from its original demands for wage rates equal to those paid aircraft workers employed by automobile companies. Nonstriking workers had been given the increase, which was substantially below the union's original and subsequent demands, and the company refused an arbitration offer. The union position during the strike was shaken somewhat by acceptance by one Machinists local at a Douglas Aircraft Co. plant of a 5-cent-an-hour raise in basic rates plus a 1-cent cost-of-living increase. At Lockheed, United Aircraft, and other Douglas plants the close cooperation pledged in bargaining between the Machinists and UAW appeared to be in working order. In fact, a joint meeting of shop stewards of the two organizations from United plants in various parts of the country recently discussed mutual negotiation problems.

A strike of photoengravers left New York City without major daily newspapers for 10 days starting November 28. Other unions connected with production and distribution of the papers, including the American Newspaper Guild, refused to cross the engravers' picket lines. Settlement was on the basis of the publishers' original offer of a \$3.75 package, and examination of the need for additional adjustment by a fact-finding board.

The United States Supreme Court had hardly rendered its 6-3 decision holding that nothing in the Taft-Hartley Act prevents dismissal of an employee for derogatory remarks about the employer's product (in this case television programs), when the general counsel of the NLRB issued an order against local 5 of the UAW-CIO and the Studebaker Corp. in a somewhat tangential matter. The charge was that the company discharged 15 employees upon complaint of the union that they refused to buy Studebaker cars.

An NLRB ruling that it would deny its services to unions whose officers are under indictment for falsely swearing to non-Communist affidavits was overruled by the United States district court. The unaffiliated Fur Workers Union had appealed the order.

In a policy effective in its 131 plants, some engaged in secret military operations, the General Electric Co. declared it would discharge all workers who admit they are Communists or refuse to answer questions raised in official hearings concerning such activities.



# Dual Loyalty in Industrial Society

EDITOR'S NOTE.—*The series of five notes which follow are excerpts from papers delivered at a panel session of the Industrial Relations Research Association in Cleveland, September 5, 1953. They are reproduced here because the matter of institutional loyalties is important not only for industrial relations but for the democratic process as a whole. Dr. Clark Kerr, Chancellor of the University of California, has said: "... we may find that the greater hope for democracy lies with a multiplicity of allegiances—to self, family, union, church, employer, and government. . . . The great danger is not that loyalties are divided today but that they may become undivided tomorrow."*

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## Dual Loyalty in Modern Society

THE EXTENT to which a person can be loyal to more than one group, when these groups may make competing demands upon him, has become a matter of marked social concern. We are dealing with the problem of the relationships between the worker and his two major groups, the employing company and his labor union. While a few workers in any given sample feel very intensely about either the employer or the union, it generally appears that the "loyalty" of the worker in either direction is of moderate intensity.

The worker in western civilization will find himself in a situation where his very survival is geared to his acceptance by an employer. To a hardly less significant extent, the worker finds it essential to relate himself to another group—the labor union. This group likewise has a profound effect upon his status, the rewards and punishments received, his chances of advancement and even of retaining his job. Can the worker feel allegiance to both employer and union? Does he feel friendly to the one, hostile to the other? What grounds for optimism or pessimism about the future of industrial relations can be derived from studies of worker allegiance?

In modern society, allegiance to two groups which demand conflicting responses from the individual is provocative of both psychological and social problems. And yet we must face up to the fact that dual allegiances within areas of conflict can, and do, exist, and that it may be of the greatest importance to society that we learn to understand, evaluate, and mold allegiances to groups even when they appear on first glance to be incompatible. Let us consider the problem of allegiance by workers to company and union.

Allegiance of the worker to his employing company would appear to be a kind of psychological minimum of personal equilibrium in the work situation. If the job leads to satisfaction of basic needs, it will come to be perceived as "good." More cautiously, we may say that if the job leads to satisfactions perceived as greater than the frustrations involved, a favorable relationship is established. Since the company is an essential part of the job situation, the company will likewise be perceived as "good."

Further, the worker will find that he seems to owe some of his gratifications to the union in the establishment. When we ask workers if organizing a union has made any difference to them, they recite benefits, very rarely frustrations. They say wages are higher, supervision less harsh, work conditions more pleasant, etc. Thus, it is not

surprising that the worker develops allegiance to his union.

In popular discussions of this relationship between union and company, it is widely assumed that a man can feel allegiance to one or the other but not to both. Competition for worker loyalty is common. Union and company strive to devise tactics which will lead the worker to favor its side of a given controversy. Many social scientists accept this conflict as inevitable, and assume that as loyalty to one side increases, hostility to the other group will also rise.

At our Illini City research,<sup>1</sup> we conducted hundreds of structured but free-answer interviews with workers in eight different establishments, all unionized. Some of the questions dealt with the worker's perception of management, some with his views of the union. Each interview was coded by two staff members for favorable percepts of the company and for favorable percepts of the union, on a standard list of topics. We then analyzed various functional relationships between these two measures. Our main interest, of course, was the differences among these establishments. We were at once impressed with the fact that those establishments ranking high in percentage of responses favorable to the company also ranked high in responses favorable to the union. Likewise, those companies about which many complaints were registered tended to have unions about which complaints were voiced.

A second type of analysis was then undertaken by dividing each worker population in half at the median on attitude favorable to the company, and computing attitude scores for the union. In all eight establishments the more favorable workers also expressed more favorable attitudes regarding the union. Examination of individual interviews showed clearly that some men strongly favorable to the company were hostile to the union, and vice versa. However, the group data showed that they were the exceptions—not typical of our sample of industrial workers.

<sup>1</sup> A research team sponsored by the University of Illinois has conducted a 6-year study of union-management relations in 8 companies (representing 5 industries) in the midwestern community, Illini City. In Vol. 1—*The Case Studies* (published Oct. 22, 1953), the investigators trace the history of the labor-management relationships in each industry or company and describe the situation in 1948-50. The case studies cover grain processing, metal products, garment manufacture, trucking, and building construction. In Vol. 2—*Explorations in Comparative Analysis* (to be available in the spring of 1954), the investigators compare the relationships discovered and attempt to develop generalizations, testing 20 hypotheses taken from the literature on labor-management relations.—*Editor's Note*.

We have therefore been led to the development of the concept of "attitudinal climate" and to the conclusion that this climate, whether favorable or hostile, tends to embrace both company and union. In general, the majority of workers in every establishment could and did perceive both company and union as groups which they could favor and support. We made no attempt to estimate the intensity of feeling involved, nor did we pose conflict situations in an attempt to decide how the worker would respond if there were a clear conflict between the two groups.

It does seem justifiable, on the basis of our observations, to suggest that workers disagree with many spokesmen for both management and unions. The workers do not accept the inevitability of conflict, nor do they accept the necessity of binding themselves to one group or the other. They accept the status of dual allegiance and, at least under normal conditions, seem to experience no internal stress as a result.

—ROSS STAGNER

Institute of Labor and Industrial Relations  
University of Illinois

## Mutual Emotional Acceptance by Union and Management

EVALUATING the problems of multiple allegiance in industrial society, it is apparent that even allegiance of the employee to his enterprise is not unitary. It is broken into separate allegiances: First, to the basic purpose of the enterprise, and second, to the supervisor. Allegiance to stockholders is a third kind of enterprise allegiance. And, then, there is allegiance to the consumers of the products or services of the enterprise.

These enterprise allegiances are not emotionally unilateral, all resting on the lower-level employee, but are emotionally bilateral. Management, if it is realistic, perceives these same emotional acceptance areas.

Admitting the multiple nature of enterprise allegiance, and emotional involvements, it is possible for all of them to be positive and favorable. We believe we documented this condition at least for a period of years in our 1949 study of the

S. Buchsbaum Co., Chicago. We shall briefly review that study and bring it up to date.

An earlier research team which explored the Buchsbaum labor-management situation in 1946 postulated four representative types of management attitudes toward unions, and the implication of each:

(1) Management is determined either (a) not to recognize the union or (b) to get rid of it by any available means. This, of course, means open warfare.

(2) Management accepts the union for the time being, but still wants to hold open the possibility of getting rid of it at some future date. This leads to undeclared war.

(3) Management accepts the union as being here to stay, but nevertheless, the executives continue to function as much as possible as if the union were not present. The union, not consulted, often simply blocks action.

(4) Management accepts the union, both intellectually and emotionally. Management modifies its behavior accordingly and the union reciprocates.

At various times in its history, from 1888, the Buchsbaum Co. constituted a rather clear-cut example of all except the third of these attitudes, each apparently held with conviction. A union contract was signed in 1918; that union, according to Mr. Buchsbaum, was broken in 1919. In 1935, after a long strike, another organizing attempt was defeated. Mr. Buchsbaum remarks of this period, "I thought if I let the union in, it would ruin my business."

By 1940, the workers were organizing again. In a series of critical strike incidents, Mr. Buchsbaum became impressed with the strikers' respect for property and with the apparent sincerity of some of their fundamental contentions. Convinced that the workers were concerned with the company's as well as their own welfare, he told the men he would sign a contract. Mr. Buchsbaum attempted to manifest full *emotional acceptance* of the union. He granted much more in the contract than the union asked. "Union recognition was their objective, and I gave them more than they wanted. I gave them the checkoff system, virtually a union shop and job security . . . an immediate raise of 5 cents an hour . . . and an open accounting procedure—all our figures on the table—and we chose an impartial arbitrator to decide any issues we could not settle ourselves."

Grievance machinery was established; top management cooperated earnestly with the union in solving mutual problems. Some foremen, unwilling to cooperate, were discharged. Discipline problems are alleged to have almost disappeared since the union assumed responsibility for discipline. In 1951, the management proposed a 5-year contract providing for an automatic annual pay increase of 4 cents an hour; it was accepted by the union.

At management and union invitation, Gottlieb and Kerr entered the scene in 1949 to conduct an evaluation of some of the probable attitudinal results of this dramatic reversal from emotional rejection to acceptance of the collective bargaining organization. This survey included a union-related attitude objects section. The instrument used for measuring general job satisfaction, not mentioning the union, is "The Tear Ballot for Industry." Distributed to all personnel in the 3 plants during July and August 1949, a total of 467 completed anonymous ballots were returned.

Although the central tendency of job satisfaction attitudes was of conventional order, the structuring of employee attitudes did appear to support the hypothesis of exceptional harmony in the labor-management situation. Apparently, *mutual emotional acceptance and cooperation between management and union had tended to structure employees' satisfaction attitudes along integrated rather than divisive lines*. Evidence for this is a positive Pearsonian coefficient of correlation between the total scores on the management-oriented ballot and the union-oriented ballot of 0.74. Corrected for attenuation, this value increases to unity, suggesting that personnel no longer carry "either-or" exclusive allegiance attitudes. This apparent fusing of formerly conflicting allegiances appears to occur, though perhaps less intensely, at the level of interpersonal relations between worker and supervisor and worker and shop steward.

In 1949, to account for these two positive correlations between union and management attitude satisfactions, one hypothesis was that "Divisive rivalry affiliation attitudes disappear under union-management cooperation. This hypothesis assumes that in union-management relations in which marked conflict and emotional rejection exists, personnel attitudes toward union and management will correlate negatively, implying

existence of strong exclusive preference reactions of many workers toward union or management." Father Purcell's significant negative correlation ( $-0.48$ ) is definite evidence in favor of this hypothesis.

The Illini City research provides further evidence of the integrating effects of a considerable degree of mutual management-union emotional acceptance. A positive rank-difference correlation of  $0.38$  was obtained between employee complaints against the management and employee complaints against the union. Thus, we have three coefficients from widely assorted psychological climates and enterprises ranging in magnitude from  $0.74$  through  $0.38$  to  $-0.48$ . Such evidence definitely supports the 1949 hypothesis that "... integrated structuring of workers' attitudes may reasonably be expected as a result of union-management mutual emotional acceptance and cooperation." These researches show that the industrial allegiances of free men and women are delicate, definite, and, above all, voluntary.

—WILLARD A. KERR  
Illinois Institute of Technology

## Dual Allegiance at Swift & Co., Chicago

IT IS IMPORTANT to know what the working people themselves have to say about the possibilities of dual allegiance. A 3-year study of the Chicago plant of Swift & Co. and Local 28, a key local of the United Packinghouse Workers of America (CIO), recently completed,<sup>3</sup> is one of the first research efforts to get the answers from the working people themselves. This study was made during a crisis—the aftermath of a severe strike, a power struggle between the Local and the International UPWA. In this study I interviewed over 385 packinghouse workers, including foremen and union leaders. I graded each on a scale from 1 to 5 on their degree of company and union allegiance.

Here allegiance means: an attitude of favorability toward the company or union as institutions. Allegiance does not mean complete satisfaction with every aspect of the company or of the union.

Nor do we mean loyalty in the sense of strong emotional attachment. Dual allegiance simply means approval of the existence, objectives, and overall policies both of company and union.

This research asks three basic questions:

(1) Will the average worker actually have dual allegiance to, and find the satisfaction he requires from both company and union?

(2) Will the worker have allegiance which is necessarily dual, in that he says his wants can be satisfied only by both organizations?

(3) Will the worker's allegiance to one of the two organizations in the plant community pull him away from the other organization, thus straining his dual allegiance? Or will the allegiance he gives to one organization not noticeably affect the allegiance he gives to the other?

Company allegiance we found to be a clear fact in the Chicago Swift-UPWA plant community. Foremen and rightwing union leaders had a degree of company allegiance of  $1.6$ , between favorable and very favorable. The steward body was favorable and even leftwing union leaders were slightly favorable. The old-timers have greater company allegiance ( $1.43$ ) than the short-service workers ( $1.73$ ) and the women ( $1.32$ ) have more than the men ( $1.62$ ). Union men have just as much company allegiance ( $1.6$ ) as nonunion men.

Union allegiance was also a clear fact. One hundred percent of the union stewards and leaders have union allegiance, understandably enough, but a majority of the foremen have such allegiance too. Our analysis shows a very significant difference between colored ( $1.75$ ) and white ( $2.45$ ) in their attitudes toward the union, the Negroes having much more union allegiance. Of all the groups, only the long-service women, both colored ( $3.19$ ) and white ( $3.44$ ), have no positive allegiance to the union as an institution; they are indifferent or opposed to the idea.

What is the relationship between the attitude of union allegiance and actual "participation in the union"? If we put the workers into 12 cells or boxes by sex, race, and service, arrange the boxes in order of union allegiance, and do a rank correlation with their degree of union participation, we find a high positive correlation of  $0.86$ . We have also actual membership as indicated by checkoff lists. Again we find a remarkably high rank correlation between those groups which have

<sup>3</sup> *The Worker Speaks His Mind*, Harvard University Press, Cambridge, Mass. (forthcoming).



*Distribution of attitudes (random, unstratified sample of 202 individuals)*

Favorability	Scale	Attitude toward the company	Attitude toward the union
Number of workers			
Very favorable.....	1.0	85	69
Favorable.....	1.5	25	15
Neutral.....	2.0	68	65
Unfavorable.....	2.5	9	10
Very unfavorable.....	3.0	13	17
	3.5	1	1
	4.0	0	6
	4.5	0	3
	5.0	1	16
Percent of workers			
More or less favorable.....		92	79
Neutral.....		7	8
More or less unfavorable.....		1	13
			Foremen
			57
			16
			27

the most union allegiance and their percentage of union members. The figure is also around 0.86.

We come finally to dual allegiance itself. We find that the employees do have dual allegiance and they do believe in *both* company and union as institutions. Nearly three-fourths of the men and women do have positive allegiance to both Swift & Co. and to the UPWA. This is all the more remarkable in view of the crisis through which Local 28 was passing at the time. A high percentage of the stewards (88 percent) have dual allegiance; the stewards are quite union-minded. Even a slight majority of the foremen (57 percent) also have dual allegiance to both company and union. The Kansas City-National Brotherhood of Packinghouse Workers research<sup>3</sup> shows even greater dual allegiance; for example, nearly 95 percent of foremen there have dual allegiance.

We come now to our third "question." Our findings are that dual allegiance is not under strain for most workers, but it is for a few. In the two groups most identified with their respective organizations—the stewards and foremen—their official role certainly does tend to pull them away from the opposite organization, though even they generally have dual allegiance. As for the rank-and-file, their dual allegiance is not under great

strain. If we do a rank order correlation among the 12 subgroups of the plant community, we have only a moderate negative correlation ( $-0.48$ ). This means that the order of company and union allegiance of the 12 groups moves moderately in opposite directions, the group most favorable to the company tending to be least favorable to the union and vice versa.

The extreme groups are short-service men and long-service women. Other groups are not much affected. Sex and service tend somewhat to affect attitudes toward company and union in opposite directions. We estimate that, for around two-thirds of the production workers, dual allegiance is not under strain.

Does this dual allegiance affect the behavior of the worker torn between the "contradictory expectations" of his company and union leaders? The Swift-UPWA workers clearly oppose these contradictory demands in the sense that they are generally satisfied with their company leadership. They are dissatisfied with their 1949-52 union leadership (the aggressors in making the demands contradictory). Forty-seven percent of the rank-and-file workers at least are unfavorable to their union leaders, 27 percent are neutral or indifferent, and only 26 percent approve.

In view of this severe test put to our concept of dual allegiance, it is remarkable that we should find it at all—and even not under great strain, at least for the majority of the rank-and-file workers. They readily distinguish between their union and its leaders (as they do between the company and its foremen). Even while opposing their leaders, they would not think of being without their union; 75 percent tenaciously hold on to their union allegiance.

The workers see no conflict in the coexistence of their company and their union. But much more: They want neither one to try to destroy the other. The dual allegiance we found in Chicago (and Kansas City) gives an important reminder that, unlike a few labor and management leaders, the rank-and-file workers want both their company and union to coexist. If their leaders recognize this desire, at least one source of industrial conflict should be diminished.

—REV. THEODORE V. PURCELL, S. J.  
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<sup>3</sup> A project covering Local 12 of the National Brotherhood of Packinghouse Workers (Ind.) and the Kansas City Swift & Co. plant.

## A Methodology in Studying Role Conflict

THE PROBLEM AND IMPLICATIONS of dual loyalty of workers, i. e., to their union and their company, has been viewed with increasing interest as the union movement has grown in both size and scope. Worker opinion and behavior may be situationally based, and dual allegiance may be descriptive of only a given phase of that opinion and behavior.

Individuals working in a unionized plant belong to two organizational groups, the plant and the union. Each group makes certain demands upon the worker, has certain expectations of him. The extent to which he lives up to those demands in their eyes is, in a sense, one measure of his allegiance. To the degree that the expectations of those groups are not contradictory, dual allegiance is possible. All other things being equal, one might predict that the worker will live up to the expectations of both groups, and that dual allegiance will exist.

"Other things" may not be equal, however, and then one could speculate that dual allegiance might not necessarily exist. For instance, a union shop clause conceivably could bring about the enrollment of many workers who were opposed to the idea of unionism. In spite of compatible demands, allegiance might be forthcoming only to the company. Or, contrariwise, in a "one plant town," job potential might be limited to a company disliked by the worker and consequently his allegiance might be limited to the union. But it seems logical that other things not being equal, the former rather than the latter would tend to be the case today. Particularly within the fairly skilled trades in the present full employment, job mobility is greater than union mobility, i. e., a worker can move from plant to plant with greater ease than from union to union. Therefore, the data which indicate that more workers hold allegiance to their company than to their union are not surprising.

Existing studies give no information about allegiance when expectations are contradictory; and their research findings may not be predictive of behavior. Let us assume that the demands of

management and union toward the worker are contradictory. He cannot meet both sets of expectations. Which set will he act in terms of?

Utilizing the reward and punishment theory, one might speculate that the greatest reward and least punishment will be found by meeting the expectations of the most groups possible. One then might hypothesize that the union worker will act in terms of his perception of what the greatest number of groups directly involved expect of him. In a given situation, which calls forth opposing demands, it would seem vital to know not only what he perceives as being the anticipated results of action on his part by both union and management, but also how he perceives his fellow workers' expectations of him—and anticipated rewards and punishments from that group resulting from certain acts on his part. The fellow workers are considered crucial because of their potential power to reward and punish within the scope of the job life of an individual.

It may be fruitful to attempt to adapt techniques developed to study role conflict in other areas, e. g., by Stouffer, to this particular problem. Let us ask a broad question of the union worker to provide a frame of reference for further questioning. "Would you support a strike in your plant if the demands of your union (which had been ratified by the membership) were denied by the company?" The response would not seem to be adequate in prediction, since it is difficult for an individual to predict his future behavior. The second step would seem to be more crucial—to try to tap the worker's perception of how the pertinent groups would react to both affirmative and negative action on his part.

One could set up four categories of response conveying the ideas of approval and reward, approval with no action, disapproval with no action, and disapproval and punishment. One might ask: "If you supported a strike, how do you think your company would react? your union officials? your fellow union workers?" The same question could be asked with respect to not supporting a strike.

One then might have a rough measure of the degree of reward and punishment anticipated from the three groups by the union worker for either



of two actions possible when union and management expectations of him were antagonistic. For the purposes of the initial hypothesis, responses could be divided into approval and disapproval; further research could fruitfully explore whether anticipated approval or disapproval with tangible rewards or punishments would be more effective in determining a decision than approval or disapproval with no tangible action anticipated.

—HJALMAR ROSEN  
University of Illinois

## A Theoretical Examination of the Concept of Dual Loyalty

BY VIRTUE of our complex and industrialized communities, most people find themselves members of several different groups. Some individuals are members of groups which at times are in conflict with each other. Nowhere is this more sharply illustrated than in the case of the worker in the industrial field. He is a member of a company. He also often belongs to a union. On our panel social scientists who have made pioneer studies have shown that dual loyalty is possible and to some rather surprising degrees. I would like to examine a little further what some of the problems are that arise from those results, and what we can and cannot expect in the way of generalizations.

First and foremost, dual loyalty is not a thing in itself. It is a process and one in a fluid state depending on factors inside the individual, outside of him in the relationships of the two specific groups he has joined, and further outside of him, namely the characteristics and values inherent in the socio-economic structure of our society.

It is impossible as a matter of behavior to be loyal or owe allegiance to two conflicting organizations, because at any crisis one cannot choose both. Can we predict from a finding that a majority of workers in a plant have "dual loyalty" what they are going to do in such a situation which vitally concerns one of the two conflicting

groups? I would prefer to be cautious in applying the label of dual loyalty to the results so far gathered. I think what has been well demonstrated is that there is generalized "well-meaning" to both union and company among a majority of workers in industries which were at the time of investigation not engaged in overt conflict, and in a particular period in our economy.

The condition of "no overt conflict" is rather the most prevalent form of accommodation of union and management, and especially in contemporary America, so these findings have some generality. I would like to examine the factors in this process at three different levels.

On the first level, dual identification is very much a problem in personality. Individual differences and their relationship with group identification are here the key. Allegiances in the past, aspirations, value system, other group membership, etc., determine to a large extent whether one worker is more identified with company or with union or with both in a given situation. It depends also on how each worker perceives a discrepancy or convergence between his needs and the perceived goals of either organization.

Whether such personality characteristics as emotional maturity and democratic character structure are required for the person showing dual loyalty is not demonstrated. But, because the implication exists, any investigation on dual loyalty cannot rule out an investigation of personality. Should any tie-up with personality factors be found, one would next have to worry about selection factors among workers in different industries which have different degrees of dual loyalty among the worker force but similar union-company conditions.

On the second level, what are the dimensions of the union and company groups that make for conflict or cooperation between them? Here the kind of interaction will vitally affect the identifications of workers affiliated with both. Diversity or similarity of group goals is one of the most cogent factors. Also important are the hierarchy structure and power fields within each group. This affects the relationships which the worker has to his company foremen, supervisor, and union officers, and determines the kind and amount of

allegiance to each group. His perceptions of these various group characteristics are not only determined by his personality characteristics, but also by clarity of group goals and practices, accessibility of information, and the amount of participation he is permitted.

The more unambiguous his perceptions of the group, the more easily he can decide whether to integrate them into his self-concept and his needs, the more decisive will be the kind of affiliation he chooses. We could advance the hypothesis that if membership and hence allegiance becomes a clearly defined and perceivable thing, then interpretation of affiliation by each member becomes less related to his own personality characteristics; under clear group goal definition, each group becomes less of a "projective technique."

Finally, we must consider the general economic and political factors typical of our society which influence dual loyalty. Is dual loyalty in industry possible in our society? Can unions and management ever effect the kind of cooperation that would make dual loyalty possible, provided group and personality factors are adequately solved? From the studies we have heard, the answer has been a ringing "yes." We might want to know, however, what each organization would have to give up to achieve dual loyalty. And, if it had to give something up, would it change its character as an autonomous organization and still adequately represent the needs of its members?

The Communist-Marxian view would of course deny the value of dual loyalty. This is based on its conception of economic processes in terms of an inevitable warfare between two classes. Have we enough evidence to disprove the Marxian hypothesis? I think we have and there is added

evidence from the case studies on good labor relations conducted by the National Planning Association.<sup>4</sup> There, I was impressed again and again that good relations were accompanied by changes in perception of role on the side of both management and union. Management saw more the human being with needs and wants in the worker, while the union disclaimed so-called co-determination in matters relating to production, profits, and plant organization.

Forces in our society have accelerated the potentials for dual loyalty. Similarly, there must be factors that prevent or destroy it. With knowledge of these factors we can answer the problems about what is finally inevitable, conflict or dual loyalty, and what factors are responsible for one or the other. For instance, what effects would a recession versus full employment have on the development of dual loyalty? or defense production versus consumer production? Can dual loyalty developed under full production be maintained when adverse economic conditions prevail?

Such investigations help us formulate answers to other knotty questions. One of the most important for us, not only as scientists, but also as citizens, is: What form of human organization in a modern industrial society is best suited to bring about group harmony and to make dual loyalty not only desirable but also possible?

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<sup>4</sup> See Monthly Labor Review, December 1948 (p. 626) and May 1949 (p. 542), for a summary of three of the National Planning Association's case studies in its series on Causes of Industrial Peace Under Collective Bargaining. The Association has published 13 of 15 projected studies over the period September 1948 to November 1953.

# Occupational Wage Levels in 20 Labor Markets, Fall 1952–Spring 1953

L. EARL LEWIS\*

PAY LEVELS among the 20 labor markets surveyed by the Bureau of Labor Statistics during late 1952 and early 1953 were generally highest in the San Francisco Bay area. This accords with findings in the earlier studies of 40 major labor-market areas.<sup>1</sup> Within each area, wages were usually higher in manufacturing than in nonmanufacturing industries.<sup>2</sup> However, occupational averages in the public utilities group frequently exceeded those in manufacturing, particularly among office jobs. Differences in wage policies among firms in the same industry group and in-plant differentials arising out of wage-setting practices which permit multiple rates for individual occupations also contributed to the wide dispersion of wage rates observed for workers employed at comparable tasks within each area. Although each of these wage variations has an important influence on the wide dispersion of earnings found among workers in comparable jobs, accurate measurement of their individual effect on the overall dispersion was not possible.

## Interarea Differentials

San Francisco-Oakland and Los Angeles, together, accounted for most of the top area averages for the 13 selected office occupations shown in table 1. The highest averages for 10 of the 13 plant jobs, table 2, were found in the San Francisco Bay Area; other areas with relatively high wage levels included Chicago and Milwaukee. Lowest occupational averages in office or plant were generally found in Dallas or Memphis; several of the lowest averages were also found in Providence.

For office occupations, differences between the highest and lowest area averages usually ranged from \$10 to \$15 a week (table 3). Among plant jobs, the differences tended to be greater, ranging from 45 to 75 cents an hour. The maximum inter-area wage spread for most office occupations was from 30 to 40 percent. Similar differences prevailed for skilled plant jobs, whereas larger spreads of 60 to 70 percent were observed for unskilled plant jobs.

The greater interarea spread in wages for unskilled jobs reflects the comparatively low level of pay in the South for work of this type. If data for the four Southern areas are excluded, the range in area averages for helpers, janitors, and laborers becomes nearly the same as those recorded for skilled manual-type jobs and office classifications. In other words, earnings of office workers and skilled plant workers in the South more nearly approach the level of wages in other areas than do the rates of pay for unskilled workers. For example, secretaries in Dallas averaged about nine-tenths as much as those in San Francisco; laborers, on the other hand, received only about two-thirds as much in Dallas as in the West Coast city.

Table 4 provides a comparison of average weekly earnings in a few selected professional and technical occupations studied on an all-industry basis in the 20 areas.

## Interindustry Comparisons

The industrial composition of the 20 areas varied substantially. Manufacturing industries employed half or more of the workers within the scope of study in each of the New England, Middle West, and Middle Atlantic areas, except New York City. Nonmanufacturing industries dominated employment in New York City, all southern areas except Baltimore, and all western

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<sup>1</sup>For analysis of wage differences among 40 major labor markets surveyed during 1951–52, see *Monthly Labor Review*, December 1952 (p. 620), and BLS Bulletin 1135. For list of bulletins covering individual areas included in the 1952–53 study see on p. II of the September 1953 Review. Part of the 1952–53 findings are summarized here. A comprehensive summary bulletin is in preparation.

<sup>2</sup>Major industry groupings covered by each of these studies, in addition to manufacturing, were transportation (except railroads), communication, and other public utilities; wholesale and retail trade; finance, insurance, and real estate; and selected service industries.

areas other than Los Angeles. Since pay levels differ among industries, dissimilar industrial distributions of the labor force explain some of the interarea variations in wage levels.

In each area, the average for most manufacturing jobs was higher than the composite average for the nonmanufacturing industries; however, occupational averages in manufacturing were frequently exceeded by those in individual nonmanufacturing groups such as public utilities. The earnings advantage of manufacturing workers was more consistent among office jobs than among plant occupations. For example, averages for office classifications in virtually all areas were from \$1 to \$10 a week higher in manufacturing than in nonmanufacturing. On the other hand, averages for such skilled maintenance occupations as carpenters and electricians in over half the areas were highest in nonmanufacturing establishments. Unskilled plant occupations, such as janitors and trades helpers, nearly always averaged more in manufacturing than in nonmanufacturing. The relatively high nonmanufacturing averages for

some skilled maintenance jobs may be accounted for in part by the fact that some nonmanufacturing establishments bargain separately with the various craft unions and pay the area's prevailing construction rate for maintenance work.

Pay levels among the five broad nonmanufacturing industry divisions studied were generally highest in public utilities and lowest in services.<sup>3</sup> Office salaries in the public utilities group exceeded those in other nonmanufacturing groups in nearly all instances where comparisons were possible, and were frequently above manufacturing averages. For example, secretaries employed by public utility establishments averaged from \$2 to \$10 a week more than those in manufacturing in 12 of the 16 areas for which both averages were computed; stenographers and typists in public utilities had the highest wages in nearly half the areas. Plant occupation averages were generally higher

<sup>3</sup> Sampling techniques permitted computation of separate averages for manufacturing and public utilities in each of the 20 areas; retail trade in 13 areas; wholesale trade and finance in 12 areas; and services in 5 areas.

TABLE 1.—Average straight-time weekly earnings for 13 office occupations studied on an all-industry basis in 20 labor-market areas<sup>1</sup>

[Area surveys conducted between August 1952 and April 1953<sup>2</sup>]

Labor market	Billers, machine (billing machine)	Comptometer operators	Clerks, file, class A	Clerks, file, class B	Clerks, order	Clerks, payroll	Key-punch operators	Secretaries	Stenographers, general	Switch-board operators	Switch-board operator-receptionists	Typists, class A	Typists, class B
New England:													
Boston	\$45.00	\$47.50	\$47.50	\$38.00	\$46.50	\$51.50	\$45.50	\$58.00	\$49.50	\$48.50	\$46.00	\$47.00	\$41.50
Providence	46.00	44.50	45.00	36.00	43.50	48.00	43.50	56.00	45.00	45.00	44.00	47.00	39.00
Middle Atlantic:													
Buffalo	47.00	51.00	51.00	46.50	50.00	55.00	52.00	66.00	54.50	52.00	47.50	53.00	47.00
Newark-Jersey City	50.00	54.50	50.50	42.00	53.50	55.00	49.50	66.00	53.00	51.50	51.00	52.50	45.50
New York	54.00	55.00	54.00	43.00	53.00	59.00	52.00	68.50	55.00	53.50	54.00	54.00	47.00
Philadelphia	48.00	47.50	47.50	38.00	44.50	50.50	46.00	61.00	49.00	47.50	46.00	47.50	40.00
South:													
Atlanta	51.00	51.00	55.00	39.00	48.50	53.00	47.50	62.50	53.00	43.50	46.50	50.50	40.50
Baltimore	44.00	49.50	46.00	36.50	41.00	52.50	44.50	60.00	48.50	44.00	45.50	47.00	39.50
Dallas	43.50	49.50	43.00	35.50	45.00	51.00	46.00	61.50	51.00	44.00	44.50	44.50	42.50
Memphis	46.00	48.00	45.50	37.50	47.50	52.00	46.50	55.00	47.50	37.50	44.00	45.00	38.00
Middle West:													
Chicago	55.50	57.50	54.50	44.50	53.00	59.50	55.00	69.00	58.50	53.50	54.50	57.00	49.00
Cleveland	53.50	55.00	53.50	42.50	53.50	57.50	54.50	67.00	56.00	52.50	51.40	54.50	47.00
Kansas City	49.50	50.50	49.00	37.50	48.00	52.00	47.00	60.50	51.50	46.70	47.50	51.50	41.00
Milwaukee	49.50	50.00	52.00	42.00	50.50	54.50	50.50	67.00	53.00	49.00	50.50	53.00	44.00
Minneapolis-St. Paul	45.00	48.50	48.00	39.00	47.00	52.00	44.50	59.50	48.50	45.50	46.50	48.00	41.00
St. Louis	50.50	51.00	49.50	41.50	49.50	51.00	49.00	63.50	51.00	48.00	46.50	51.50	43.50
Far West:													
Denver	46.00	49.50	46.50	40.00	49.50	52.00	48.50	61.00	51.50	45.00	47.00	50.00	43.50
Los Angeles	54.50	61.50	54.00	46.00	59.50	62.00	60.50	69.50	59.50	57.00	57.00	55.50	48.00
Portland	50.00	51.50	51.50	43.50	52.50	55.50	52.00	64.50	54.00	48.00	49.50	53.00	43.00
San Francisco-Oakland	56.50	58.50	55.50	44.50	56.00	62.50	56.00	69.00	60.50	55.50	57.00	55.00	49.00

<sup>1</sup> Earnings based on standard salaries paid for standard work schedules. Data limited to women workers employed full time.

<sup>2</sup> The areas were surveyed during the following months: 1952: August—Dallas; September—Portland; October—Baltimore, Cleveland, Kansas City, and Philadelphia; November—Denver, Newark-Jersey City, and Minne-

apolis-St. Paul; December—Providence and St. Louis. 1953: January—Memphis and San Francisco-Oakland; February—Los Angeles and New York; March—Atlanta, Boston, and Chicago; April—Buffalo and Milwaukee.



in public utilities than in the other nonmanufacturing groups, with the notable exception of automotive mechanics, for whom the highest average earnings in each area were in wholesale trade.

### Rate Variations Within Areas

The wage structure of each area was characterized by a substantial variation in individual worker pay rates within the same job classification. As would be expected from differences in general pay levels among industry divisions, the degree of rate dispersion for the all-industry distributions exceeded that for the individual industry divisions. However, within each industry division, the maximum spread between the lowest and highest individual rates for a particular job exceeded the difference between the lowest and highest area averages for that job and division.

The method adopted for examining the degree of dispersion among individual job rates involved a determination of the ratios of the amount of the "middle range" (within which one-half of the

employee rates fell) to the averages for the several occupations.<sup>4</sup> The middle range within the all-industry distributions for general stenographers amounted to \$10 or more in nearly all areas, with the ratios ranging from 15 to 30 percent. A similar dispersion was found for routine copy typists (class B), although middle ranges in most cities covered a \$7.50 to \$10 spread. The degree of dispersion among individual rates tended to be smallest in the Far West cities.

Middle ranges for maintenance electricians ranged from 15 cents or less among the 4 Far West cities to 40 cents or more in Atlanta, Dallas, and New York City; the ratios ranged from about 5 percent in Los Angeles and the San Francisco Bay Area to more than 25 percent in Dallas. Data for unskilled plant jobs such as janitors and laborers showed the greatest degree of dispersion of all jobs studied.

Variations in pay levels among industries, among establishments within the same industry, and, to some extent, among similar jobs within individual establishments account for the degree of dispersion noted in individual rates within the same job classification and labor market. Previous Bureau studies of wages in numerous

\* The "middle range" as used here is the central part of the earnings array, excluding the upper and lower fourths.

TABLE 2.—Average straight-time hourly earnings for 13 plant occupations studied on an all-industry basis in 20 labor-market areas<sup>1</sup>

[Area surveys conducted between August 1952 and April 1953<sup>2</sup>]

Labor market	Carpenters, maintenance	Electricians, maintenance	Helpers, trades, maintenance	Janitors	Laborers, materials handling	Mechanics, maintenance	Mechanics, automotive maintenance	Mechanics, maintenance	Order fillers	Painters, maintenance	Tool and die makers	Truckers, power (fork-lift)	Watchmen
New England:													
Boston.....	\$1.90	\$2.01	\$1.56	\$1.22	\$1.42	\$1.95	\$1.82	\$1.86	\$1.41	\$1.66	\$2.12	\$1.61	\$1.27
Providence.....	1.69	1.76	1.42	1.17	1.34	1.77	1.63	1.69	1.15	1.59	1.92	1.44	1.25
Middle Atlantic:													
Buffalo.....	2.05	2.13	1.76	1.45	1.57	2.12	1.91	2.14	1.62	1.91	2.25	1.72	1.35
Newark-Jersey City.....	2.12	2.18	1.72	1.39	1.60	2.09	1.97	2.00	1.63	1.99	2.21	1.72	1.30
New York.....	1.99	2.11	1.57	1.30	1.51	2.13	1.97	2.02	1.61	1.83	2.31	1.89	1.31
Philadelphia.....	2.04	2.02	1.63	1.24	1.43	2.05	1.78	1.96	1.41	1.88	2.14	1.49	1.20
South:													
Atlanta.....	1.82	2.06	1.35	.99	1.06	1.94	1.60	1.81	1.17	1.85	( <sup>3</sup> )	1.29	.98
Baltimore.....	1.78	1.86	1.50	1.09	1.24	2.05	1.75	1.78	1.29	1.73	1.97	1.54	1.05
Dallas.....	1.84	1.91	1.36	1.01	1.13	1.79	1.69	1.69	1.15	1.63	1.98	1.27	1.01
Memphis.....	1.72	2.01	1.08	.92	1.04	2.00	1.49	1.79	1.18	1.69	2.18	1.37	.92
Middle West:													
Chicago.....	2.29	2.28	1.73	1.42	1.54	2.25	2.10	2.05	1.58	2.32	2.41	1.77	1.21
Cleveland.....	2.09	2.10	1.75	1.39	1.56	2.08	1.90	2.06	1.64	2.00	2.26	1.74	1.26
Kansas City.....	2.00	2.01	1.70	1.20	1.45	2.06	1.82	1.91	1.45	2.04	2.23	1.68	1.23
Milwaukee.....	2.08	2.19	1.66	1.45	1.64	2.22	2.05	2.08	1.71	2.15	2.38	1.74	1.31
Minneapolis-St. Paul.....	2.09	2.09	1.64	1.27	1.53	2.08	1.81	1.96	1.46	2.16	2.18	1.62	1.40
St. Louis.....	2.06	2.16	1.79	1.22	1.48	2.15	1.85	1.93	1.43	2.10	2.31	1.64	1.26
Far West:													
Denver.....	1.89	1.90	1.53	1.12	1.36	1.89	1.82	1.78	1.42	1.80	2.05	1.47	1.10
Los Angeles.....	2.10	2.23	1.77	1.39	1.65	2.23	2.10	2.04	1.70	2.07	2.32	1.80	1.46
Portland.....	2.25	2.13	1.81	1.38	1.65	2.15	2.03	1.99	1.63	2.18	2.20	1.79	1.47
San Francisco-Oakland.....	2.33	2.26	1.84	1.50	1.77	2.26	2.32	2.13	1.80	2.20	2.45	1.91	1.53

<sup>1</sup> The data on straight-time hourly earnings (premium pay for overtime and night work excluded) are limited to men workers employed full time.

<sup>2</sup> See footnote 2, table 1, for dates of individual area surveys.

<sup>3</sup> Insufficient data to justify presentation of an average.

TABLE 3.—Maximum interarea wage spread for selected occupations

Occupation	Lowest area average	Highest area average	
		Amount	Percent above lowest
<i>Office</i>		Weekly earnings	
Billers, machine (billing machine).....	\$43.50	\$56.50	30
Compiometer operators.....	44.50	61.50	38
Clerks, file, class B.....	35.50	46.50	31
Clerks, payroll.....	48.00	62.50	30
Stenographers, general.....	43.00	60.50	34
Typists, class B.....	38.00	49.00	29
<i>Plant: Skilled</i>		Hourly earnings	
Carpenters, maintenance.....	\$1.69	\$2.33	38
Electricians, maintenance.....	1.76	2.28	30
Machinists, maintenance.....	1.77	2.26	28
<i>Plant: Unskilled</i>			
Helpers, trades, maintenance.....	1.08	1.84	70
Janitors.....	.92	1.50	63
Laborers, material handling.....	1.04	1.77	70

industries have indicated that wide differences in pay rates for comparable work exist in the same labor market even where the industry has been more narrowly defined than in this analysis.

Earnings of a majority of office workers in each area studied were based on formal rate-range plans. Among plant workers, such plans either predominated or were of about equal importance with single-rate plans in all areas except Buffalo, Denver, Memphis, Philadelphia, Portland (Oreg.), and San Francisco-Oakland. In the latter areas, earnings for the majority of the workers were based on single-rate plans. Earnings of workers

paid under formal rate-range plans are adjusted periodically according to some determinant such as length of service, merit, or a combination of both. The value of each step and the spread between the highest and lowest rate differ for a given occupation among establishments and also among jobs within an establishment; however, the maximum rate frequently amounts to as much as 15 to 20 percent more than the minimum of the range.

TABLE 4.—Average straight-time weekly earnings for 5 professional and technical occupations studied on an all-industry basis in 20 labor-market areas<sup>1</sup>[Area surveys conducted between August 1952 and April 1953<sup>2</sup>]

Labor market	Chief draftsmen	Draftsmen	Junior draftsmen	Tracers	Nurses, industrial
<b>New England:</b>					
Boston.....	\$114.50	\$83.00	\$61.50	\$47.50	\$62.00
Providence.....	( <sup>3</sup> )	76.50	56.50	( <sup>3</sup> )	58.50
<b>Middle Atlantic:</b>					
Buffalo.....	113.50	88.50	69.50	( <sup>3</sup> )	70.00
Newark-Jersey City.....	118.50	92.50	66.00	49.50	67.00
New York.....	130.00	97.00	67.00	56.50	71.00
Philadelphia.....	117.00	87.50	( <sup>3</sup> )	49.50	63.00
<b>South:</b>					
Atlanta.....	106.00	78.00	61.50	( <sup>3</sup> )	65.50
Baltimore.....	( <sup>3</sup> )	80.00	55.50	53.50	64.00
Dallas.....	( <sup>3</sup> )	70.00	49.00	( <sup>3</sup> )	66.00
Memphis.....	( <sup>3</sup> )	79.00	( <sup>3</sup> )	( <sup>3</sup> )	50.50
<b>Middle West:</b>					
Chicago.....	112.00	89.00	64.50	54.00	68.00
Cleveland.....	107.50	87.50	70.00	( <sup>3</sup> )	66.50
Kansas City.....	( <sup>3</sup> )	78.00	64.00	( <sup>3</sup> )	64.00
Milwaukee.....	( <sup>3</sup> )	88.50	72.50	59.00	63.50
Minneapolis-St. Paul.....	( <sup>3</sup> )	75.00	61.50	( <sup>3</sup> )	63.50
St. Louis.....	( <sup>3</sup> )	82.50	63.00	53.50	62.50
<b>Far West:</b>					
Denver.....	113.00	88.00	69.50	( <sup>3</sup> )	62.50
Los Angeles.....	116.00	90.00	72.00	( <sup>3</sup> )	74.50
Portland.....	( <sup>3</sup> )	82.50	69.00	( <sup>3</sup> )	64.50
San Francisco-Oakland.....	101.00	85.00	75.50	( <sup>3</sup> )	69.00

<sup>1</sup> Earnings based on standard salaries paid for standard work schedules. Data for draftsmen limited to men; for nurses (industrial), to women.

<sup>2</sup> See footnote 2, table 1, for dates of individual area surveys.

<sup>3</sup> Insufficient data to justify presentation of an average.



# Taxation and Lower Income Groups

EDITOR'S NOTE.—*These two articles are excerpts from papers delivered at a conference on taxation sponsored by the Economic Policy Committee of the Congress of Industrial Organizations in Washington, October 16, 1953. They are presented here as the thoughtful comments of recognized scholars in the tax field on the general subject of the effect of taxation on lower income groups.*

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## The Federal Income Tax and the Working Man

I APPROACH this problem [the effect of income taxes on workers], not with the question: How can we reduce the impact of the income tax on the working man? Rather, the question is this: How can we get a fairer, more impartial, and more effective income tax, one on which we can continue to rely as the workhorse of our Federal tax system? In seeking an answer to this question, one encounters a series of inequities and administrative defects that not only weaken the income tax as a whole but also fall into a pattern which seriously discriminates against the employee—the wage earner and white-collar worker—and clearly favors the self-employed (especially the farmer) and the recipient of investment income.

Conceptually, it remains the most sensitive and powerful instrument of social justice in the fiscal field. It classifies people both according to size of income and according to family obligations, the two factors most widely recognized as determining one's ability to pay.

But growing erosion and corrosion of the income tax phase is increasingly raising questions of how far we can extend our reliance on this form of taxation. Especially in the past 10 years, long-standing imperfections of the tax base and tax administration have been severely aggravated by increased rates and reduced exemptions and have been further compounded by a whole host of new inroads on the base and progressivity of the tax.

Perhaps the most striking development of tax avoidance in the past 10 years is in the area of conversion of ordinary income into capital gains.

Another defect in the structure is the inadequate allowances for expenses of earning income. While expenses connected with business and farm income are deductible before arriving at adjusted gross income, those for wages and salaries are either allowable only as items covered by the 10-percent presumptive deduction (e. g., union dues, professional dues, cost of uniforms) or are not deductible at all (e. g., commuting costs, specialized educational and training expenses, and additional costs associated with "working wives").

Probably the worst breach of all in the equity of the income tax is the evasion of taxation by an uncomfortably large proportion of the incomes not subject to withholding at the source. Failure to withhold income taxes from interest and dividends permits the evasion of at least \$300 million of taxes each year.

Without citing further examples of defects, loopholes, and tax concessions, we can face this critical question: Are certain groups of taxpayers systematically favored over others, and to what extent? Even a cursory investigation shows unmistakably that as compared with wage and salary earners, farmers and small businessmen are strongly favored in that their incomes (a) are partially nontaxable; (b) are more easily maneuverable into lower brackets by means of careful income timing, use of family partnerships, and conversion into capital gains; (c) are net of all expenses, including many on the borderline of per-

sonal consumption; and (d) above all, are most readily underreported without detection. Going one step further, and adding in percentage depletion, the conversion of timber income, coal royalties, and the like into capital gains, and the liberal allowances for mine development costs, one finds the extractive industries or primary producers as a whole gaining an increasingly favored position in our income tax structure.

On the basis of the foregoing, we may draw this important conclusion regarding the net effect on progressivity: on balance, it is substantially diminished. First of all, the combined effect of excluding important categories of income from the tax base, granting liberal deductions and exemptions, allowing high incomes to take refuge in lower brackets by income-splitting and conversion into capital gains, and allowing much income to escape illegally—the combined effect clearly makes *actual* effective rates of taxation in terms of true income considerably lower than *apparent* rates in terms of reported taxable income. Second, and more important, the differential impact of the softnesses in income tax structure on different income groups is undoubtedly such as to make the average ratio of apparent to actual tax rates for low incomes considerably higher than for middle and upper bracket incomes. The source of income—wages and salaries—which benefits least from openings in the tax law and imperfections in administration is the dominant element in small incomes. On a *relative* basis, then, upper incomes are hit less hard, lower incomes harder, than would appear to the naked eye from an examination of tax rates and exemptions.

Unfortunately, no data are at hand for purposes of isolating and measuring these inroads on progressivity in the face of the more-than-offsetting impact of rising real and money incomes. Nevertheless, it may be interesting to examine the existing base, distributed by taxable brackets. Here we find that 70 percent of surtax net income is estimated to be in the first surtax bracket of \$2,000 (of all taxpayers), and an additional 11 percent is to be found in the second \$2,000 bracket (taxable at only 2 percentage points more than the first). Although exemptions introduce progressivity from the first dollar of taxable in-

come on, the significant fact remains that the much vaunted—and also much maligned—graduated rates of the individual income tax apply to only about 19 percent of the surtax net income base.

It is amply clear that the income tax, however preferable it may be to other forms of taxation, even with its defects—tends to discriminate against the wage earner as compared with other income recipients in two ways: (1) it collects from wages and salaries a higher proportion of the liabilities legally due than it does from any other source of income, and (2) it allows, by law, more generous deductions and concessions to other forms of income than to wage and salary incomes. Where does the remedy lie? How can the damage be repaired?

The preferred political way of reducing tax disparities is to extend an existing privilege to new groups rather than withdrawing it from the groups who now enjoy it.

Operating, then, at a level of political realism, organized labor will be sorely tempted to unlimber its fiscal picks and shovels to dig out a few chunks of the income tax base for itself. It will be tempted to press for an extension of fringe benefits—group life insurance and welfare funds, pension plans, health and welfare funds, food and lodging and other benefits in kind—at the same time taking pains to keep them on the “free list” as far as income tax liability is concerned.

Taking this approach would be to enter a tacit conspiracy with [others] trying to build their own income-tax-proof shelters. This is not to say that self-restraint should be carried to the point of abandoning attempts to get Congress to allow full deduction of the legitimate expenses incurred in earning wage and salary income, including some allowance for expenses of working mothers. But it does argue for not making a hollow shell out of the income tax by trying to match, concession for concession and exclusion for exclusion, the preferential tax treatment which some groups have managed to get under the income tax. A matching process of this sort not only runs into the objection that two wrongs do not create a right, but also plays into the hands of those who would gradually sap the strength of the income tax and force increasing resort to consumption taxes.

What kind of an action program does such counsel point to? First, a determined effort to tighten up enforcement and check evasion, especially in the administratively underdeveloped areas of farm income, interest, rent, and dividend. The second part of the program is to repair some of the damage that has been done to the structure of the income tax: to restore pieces of the base.

Structure and administration should be given equal, if not superior, rank with rates and exemptions as the key battlegrounds of income tax policy. Yet it is clear that questions of revenues, rates, and exemptions will not quietly wait upon completion of attempts to perfect the tax base and tax enforcement. In other words, the question of revenue potential is always with us.

Of course, tightening the tax base and tax enforcement would itself yield not inconsiderable revenues. For example, to the \$300 million which could be picked up by interest and dividend withholding, one may add from \$500 million to \$1 billion by rigorous enforcement and perhaps \$500 million each in the areas of percentage depletion and capital gains.

In order that revenue implications of various moves may be realistically appraised, we should briefly consider a few basic fiscal facts about the income tax. Experience in recent years has indicated that after all exclusions, deductions, and exemptions, about 40 percent of total personal income appears in the actual tax base, i. e., as "surtax net income" to which tax rates are applied. With personal income running at about \$290 billion, this implies a surtax net income base of about \$115 billion. Each percentage point of rate change across the board, therefore, involves \$1.1 billion of revenue. With 70 percent of the base in the first \$2,000 surtax bracket, each percentage point change in the basic income tax rate alone (20 percent after January 1), involves over \$800 million of revenue. With only about 10 percent of surtax net income in brackets above \$10,000 it is clear that the possibilities of balancing tax reductions in the bottom bracket with tax increases in the upper brackets is no longer a promising fiscal exercise.

On one hand, there is little revenue to be gained by raising the rates on upper bracket incomes as now defined for tax purposes. But on the other, there is a large revenue potential in so redefining or "unsplitting" income that it is restored to the upper reaches of the income tax base where many may feel it belongs.

For example [elimination of income splitting would] push incomes of married couples into higher brackets. This would yield some \$3 billion of additional revenue. Withdrawing the capital gains privilege from some types of transactions or restricting family partnerships would also help restore some of the vigor of the upper brackets. Interest and dividend withholding would also make a contribution here.

Other, more traditional ways of broadening the base would also have a large revenue effect. For example, a reduction of the "standard deduction" from 10 percent to 7 percent would yield almost \$1 billion of added revenue. Or decreasing the per capita exemption by \$100 would increase revenues by over \$2.5 billion. Or, to take a possibly more acceptable variation on this theme, one might substitute a per capita tax credit of \$120 for the \$600 per capita income exemption (\$600 times the basic rate of 20 percent). This would raise over \$1 billion, all from brackets above the first.

Incidentally, the net revenue gain from such a move would about equal the net revenue loss that would be incurred if the top rate of the tax were to be cut off at 75 percent after \$50,000 rather than letting it rise to 91 percent on incomes over \$200,000. It may be anathema to suggest here, however faintly, that such a trade might some day be advisable. Nonetheless, there is something to be said for getting rid of 80 percent and 90 percent rates which generate more heat than revenue and are likely to have unfortunate incentive effects. A reasonable and *balanced* program of income tax reform might well dispense with the fetish of 80 to 90 percent rates.

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## Taxation of Low and Middle Incomes

AS LONG as the overall requirements of the tax structure remain anywhere near the present level, we cannot but continue to draw a substantial part of the Federal tax bill from middle and lower income groups. The problem of distribution of burden, therefore, cannot be solved by arguing that the tax burden should be placed on the "rich" or the "high" incomes. While we must not overlook defects in the tax law as applied to these income ranges, the plugging of loopholes (arising from capital gains, income splitting, and other factors) will not solve the yield problem. Also, very high rates, where they really apply, may pose an incentive problem. However this may be, we are left with the necessity of drawing a large part of the tax bill from the middle and lower income groups.

In all, it appears that the personal income tax is the factor making for substantial progressivity throughout the income range, and that the excises are the factor making for regressivity. The estate and gift taxes are not a major revenue factor, and the corporation income tax, while progressive at the upper end of the scale, is more or less proportional over the middle range. Considering the Federal tax structure as a whole (and it is the tax system as a whole that matters, rather than the individual components), we find some indication of progressivity at the lower end of the scale, followed by a stretch of more or less proportional rates, with progressivity setting in once again above the \$7,000 line. While these data refer to 1948, I doubt whether the current picture would be very different.

In brief, a comparison between 1953 and 1945 shows no major changes in the tax shares, the most significant move being an increase in the personal and a corresponding decrease in the corporation income tax share. Comparison between 1953 and 1939, however, shows a sharp decline in the excise share, a fair increase in the corporation tax share and a sharp rise in the personal income tax share. Even if the latter development is offset, in part, by a decline in the estate and gift tax share, there remains a substantial shift from regressive to progressive taxes. This suggests that the progressivity of the Federal tax structure has in-

creased considerably over this period, but some qualifications are in order.

In all, it would seem that the total tax structure has moved in the direction of increased progressivity, at least as between the low and middle income ranges. But precise measurement is difficult. One of the troubles is the very meaning of "low," "middle," and "high" income changes over the years. The median income of spending units in 1941 amounted to about \$1,600 as against \$3,420 for 1952. As per capita income increased, be it due to inflation or real growth, people moved up into higher brackets of money income. Thus, an income of \$4,000, which was quite high in 1939, was only about a median income in 1953, and so forth. Therefore, if we wish to see what happened to the distribution of the tax bill over the years, we should not focus on changes in the distribution among constant dollar brackets of income, but try to see what happens to the distribution of the tax bill as between families in various deciles of the income range. My own estimates show a process of soaking the man in the middle, which—like it or not—is what happens when the tax bill increases.

This leads to the more basic problem of income vs. excise or sales taxes. Arguments in equity are a matter of social outlook; but let us suppose that we are agreed that some progressivity is desirable over the lower-middle as well as the middle-upper income ranges. On this premise, there is a conclusive argument for the use of income, as against sales or excise taxes.

A comparison [as of 1948] between the incidence of the personal income tax and of a hypothetical sales tax with exemption of food and rent shows the progressivity of the one and the regressivity of the other tax. First, there is the fact that the personal income tax permits exemptions and has progressive bracket rates, whereas the sales tax does not. But even if a flat income tax without exemptions were applied, a second difference would remain. This is because the sales tax is allocated by consumption, and consumption declines as a percentage of income when moving up the income scale. Thus, the sales tax is regressive wherever the flat rate income tax without exemptions would be proportional.

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# Workmen's Compensation in the United States

## VIII—Rehabilitation

JEROME POLLACK\*

EDITOR'S NOTE.—*This is the last in a series of articles on workmen's compensation. Previous articles dealt with legislative and administrative progress, appeals, Federal legislation, occupational diseases, medical services, accident prevention, and problems of administration.*

WHEN workmen's compensation legislation set out to provide medical care and replace lost income for injured workers, it embarked on a course that could not be complete without a third goal—the rehabilitation of the worker to optimal family, social, and economic life. This goal is potentially the most significant improvement in the concept of workmen's compensation.

The original legislation was based on an essentially static concept of disability. The medical care of the day was relatively limited. When first aid and medical treatment had been rendered there was little to do but accept the residual incapacity as it stood. The medical care required by statute usually ended after the initial healing period and the program thereafter dealt primarily with cash payments. Compensation for permanent partial disabilities was based on indemnities fixed by statute for specified losses. It was assumed, moreover, that the "loss of both hands, or both arms, or both feet, or both legs, or both eyes, or of any two hereof shall, in the absence of conclusive proof to the contrary, constitute permanent total disability."<sup>1</sup> Where further treatment held no promise, the tendency to establish fixed liabilities for fixed losses was both humane and practical.

The rise of rehabilitation, however, has introduced infinitely improved means of regaining lost health and overcoming loss of function. It has narrowed the area of permanent disability so that today it scarcely has any valid meaning except to the extent that rehabilitation is unsuccessful or not feasible. Certainly it has shattered the notion

of *presumptive* permanent and total disability. It has opened the prospect of improved methods of evaluating disability which would overcome some of the deep-seated deficiencies of the system. Rehabilitation cannot, of course, be the sole objective of workmen's compensation, although such assertions are sometimes loosely made. But it offers a set of services essential to the proper functioning of workmen's compensation legislation; the availability of these services to injured workmen is supported by compelling reasons of social and economic policy.

### Nature and Effectiveness of Rehabilitation

In part, rehabilitation is an outgrowth of workmen's compensation experience. Compensation administrators soon recognized the incompleteness of the legislation and gave the movement for vocational rehabilitation "its most direct and substantial support."<sup>2</sup> Their efforts paved the way, when the First World War came, for the first national legislation for rehabilitation of veterans.<sup>3</sup> The war enlarged the need for rehabilitation and stimulated awareness of its potentialities. Rehabilitation centers began to be established. Legis-

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<sup>1</sup> Presumptive permanent total disability is a common provision. Quotation is from the New York law.

<sup>2</sup> Federal Grants for Vocational Rehabilitation. By Mary E. MacDonald. Chicago, University of Chicago Press, 1944 (p. 11).

<sup>3</sup> See Rehabilitation and Employment of the Injured Workman. By Colonel John N. Smith. (*In* Workmen's Compensation Problems, U. S. Department of Labor, Bureau of Labor Standards, 1953. Bull. 167, pp. 222-226.)

lation followed, providing a financial base and establishing organized programs of rehabilitation successively for veterans, the industrially disabled, and the general population. There emerged the modern concept of rehabilitation made possible by great advances in the general practice of medicine, in orthopedic surgery, physical medicine, and other medical specialties; and by the pioneering of specialized institutions for the care of the disabled, which had served such groups as handicapped children, the ruptured and crippled, the deaf, and the blind, and which had stimulated, concentrated, and coordinated efforts to overcome disability.

Modern rehabilitation has been defined as "the restoration of the handicapped to the fullest physical, mental, social, vocational, and economic usefulness of which they are capable." Its practice has developed in two segments: *medical*, aimed at maximum recovery of health and the fullest possible restoration of lost function; and *vocational*, to promote an optimal economic adjustment, through vocational counseling and training, transitional employment, and placement services. Currently the *psycho-social* elements of evaluation, social service, personal counseling, psychometrics, recreation, and psychiatric service are recognized as a third coordinate segment. Each segment is a composite of many disciplines. In severe cases, the necessary medical specialists may include: "A general surgeon, an orthopedic surgeon, a neurosurgeon, a plastic surgeon, an internist, a urologist, a roentgenologist, a doctor of physical medicine, a psychiatrist, and sometimes others . . . indispensable for the proper handling of a single case . . ." <sup>4</sup> And before rehabilitation is completed, many nonmedical specialists may have to be called upon. Integration of the diverse disciplines, services, and facilities toward a single goal is the crucial administrative problem. The goal is total rehabilitation. The process cannot stop with the best artificial appliance and its most skillful use if the worker is unable to cope with his social environment or his employment. Proper rehabilitation thus necessitates the availability, where needed, of all the component services and of the institutions which house and coordinate their work.

Of its effectiveness there is hardly room for question. The will to live revealed by many persons despite the most severe afflictions, their

courage and resourcefulness, combined with the new ways to achieve restoration, inspires the common designation of "miracles." Many accounts could be cited which recall Biblical passages. A history of the Institute for the Crippled and Disabled is appropriately entitled "Take Up Thy Bed and Walk." <sup>5</sup> Dr. Howard Rusk has given an inspiring account of the rehabilitation of 500 paraplegics <sup>6</sup> under the program sponsored by the United Mine Workers. These were—

. . . the toughest cases that anybody ever saw, bar none. You always like to tell about your worst case, but there were many as bad as this one:

This man was 40 years old and his back was broken 20 years before. How he survived that length of time I don't know. When he was found . . . he . . . had not seen a doctor in 3½ years. There was not even a wagon road to his house and he was carried down in a sling between two bed poles by friends. The man had 11 bed sores from the size of a plate to the size of a dollar; stones in both kidneys and his bladder, and his lower extremities were almost up under his chin.

You might ask, is it worth fooling with a person like that? He thought it was. He wanted to live. And we felt we had an obligation. It took 26 surgical procedures and 13 months before we could even start to train this individual. . . . We trained that man to walk, swing through a gait on crutches in 90 days, and in control of automatic bladder and automatic bowel. And during the last 3 months of his stay in the institute he ran for sheriff in his county . . . and he has been the sheriff there for more than 3 years.

New ways of rehabilitation hold promise of still newer ways and broader applications. Rehabilitation is being extended to mental illness, heart disease, epilepsy, blindness <sup>7</sup> and aging. <sup>8</sup> Its horizons are expanding and the hope it holds for tomorrow makes it all the more important to perfect the institutional arrangements to bring rehabilitation to the disabled.

<sup>4</sup> Rehabilitation of the Disabled. Washington, United Mine Workers of America Welfare and Retirement Fund, [1950?] (p. 10).

<sup>5</sup> By David Hinshaw. New York, G. P. Putnam's Sons, 1948.

<sup>6</sup> Hope for paraplegics is in itself a startling innovation. "Until the last 10 years," as Dr. Rusk has pointed out, "paraplegics had been no problem because the mortality rate was 90 percent the first year. There were 400 paraplegics in World War I. Only two are living today . . . In this war it was a different story. We had 2,500 and they didn't die because you could control their infection and we knew about the management of their bed sores." (*In* Application of Rehabilitation to Workmen's Compensation, Medical Aspects of Workmen's Compensation, Commerce and Industry Association of New York, Inc., 1953, p. 62.)

<sup>7</sup> See Annual Report of the Federal Security Agency, 1952. Washington, Office of Vocational Rehabilitation (pp. 251-275).

<sup>8</sup> See Rehabilitation of Older Workers. Edited by Wilma Donahue. Ann Arbor, Mich., 1953.



### Provision for Medical Rehabilitation

From the beginning, workmen's compensation legislation accepted, at least in part, a responsibility for restoring health which often extended into medical rehabilitation as it then existed. True, restrictions on the total cost or duration of care were the rule. Nevertheless, more than a third of the laws enacted by the end of 1919 defined medical care to include such items as "crutches and apparatus," "artificial limbs," "mechanical appliances," and the like and it is probable that other States also furnished them under the general provision that "all necessary" or "reasonable" services, medicines, and supplies were to be provided.

Although medical rehabilitation was partly anticipated, it was largely an unforeseen development requiring a greater emphasis on medical care, a broader scope of services, and possibly a reexamination of the arrangements for medical care.

Progress toward adequate medical care, however, has been slow. One authority poses the problem as follows: "Those laws which should have restored the disabled worker to gainful employment failed to provide even adequate medical care by the statutory limitation of the cost and duration of such care. It should be obvious that no true rehabilitation can possibly be afforded if medical benefits are to be so restricted."<sup>9</sup> Such restrictions still exist in as many as 17 States. The practice is sometimes more enlightened than the legislation, but this does not establish a satisfactory financial base for medical rehabilitation.

Modern rehabilitation involves the total medical practice as it affects the injured. It begins with the attending physician—and even with the medical school. In order for the physician to carry out his responsibility as defined by the American College of Surgeons, "... it is essential for him to recognize the total medical problem of the patient in addition to his injury, as well as his personal problems. The physician must

bring to bear on these problems all the skills and disciplines that science and society can offer, and utilize all community resources which can assist him in the accomplishment of these objectives."<sup>10</sup>

The community resources bearing closest on medical rehabilitation are the community hospital and the rehabilitation center. The President's Commission on the Health Needs of the Nation has underscored the need for establishing departments of physical medicine and rehabilitation in general hospitals. The Commission concluded that the average community hospital of 200 beds could profitably assign perhaps 20 percent of its beds for rehabilitation and convalescent care. However, only 19 of 1,600 general hospitals replying to a questionnaire by the Commission on Chronic Illness had any bed allocation for rehabilitation services; and very few of these actually offered comprehensive service. The President's Commission found, moreover, that: "All told, there are less than a dozen comprehensive rehabilitation centers in existence . . ." and that they meet only a small fraction of the need. To make the miracles of medical rehabilitation a reality for most of the Nation's disabled workmen, a great expansion in hospital and center facilities is obviously needed.

### Provision for Vocational Rehabilitation

A few States were prompt to amend their laws to bring vocational rehabilitation within the scope of the compensation system. Massachusetts was the first to establish, in 1918, "a division for the training and instruction of persons whose capacity to earn a living has in any way been destroyed or impaired through industrial accident."<sup>11</sup> The following year California, North Dakota, and Oregon adopted similar measures. Oregon's compensation law set a high standard:

One purpose of this act is to restore the injured person as soon as possible to a condition of self-support and maintenance as an able-bodied workman, and final settlement shall not be made in any case until the commission is satisfied that such restoration is probably as complete as can be made . . . the commission is authorized to expend money from the accident fund to accomplish this purpose in each case and the amounts so spent shall not be charged against the compensation allowed by this act to the injured workman . . .<sup>12</sup>

<sup>9</sup> Rehabilitation in Workmen's Compensation. By Dr. Alexander P. Altken. (In Workmen's Compensation Problems, U. S. Department of Labor, Bureau of Labor Standards, 1953. Bull. 167, p. 212.)

<sup>10</sup> Ibid., p. 207.

<sup>11</sup> General Acts of 1918, chapter 231.

<sup>12</sup> Workmen's Compensation Law of 1913, Ch. 112, sec. 23 (as amended by Ch. 288, acts of 1919).

But rehabilitation was also developing in a broader direction. Support was growing for the idea that it should be made available to all of the disabled regardless of the origin of disability. This idea was embodied in the Federal Vocational Rehabilitation Act of 1920 which provided for technical and financial assistance from the Federal Government for State-operated vocational rehabilitation programs serving the general population. There had been some resistance to the inclusion of vocational rehabilitation under workmen's compensation; within that framework, rehabilitation faced uncertain financing and restrictive standards of eligibility. The Federal-State program, on the other hand, was readily accepted as the means of providing vocational rehabilitation for the occupationally disabled, and the drive to bring rehabilitation under workmen's compensation generally abated.

As a result, only 17 States have made any statutory provision whatsoever under their workmen's compensation laws to provide, promote, or facilitate rehabilitation. Fifteen States facilitate rehabilitation by providing limited maintenance allowances during its course; a few among them, probably five, finance or help pay for rehabilitation services as a direct part of workmen's compensation. Four States and Puerto Rico directly operate rehabilitation facilities for injured workers under the workmen's compensation program.

There thus exist in America today two basic patterns in providing rehabilitation services for injured workers: in a few States the services are directly provided by the workmen's compensation agency; overwhelmingly they are furnished through cooperation with the Federal-State program.

*Direct Provision of Services.* The few States which directly operate rehabilitation facilities under workmen's compensation—Ohio, Oregon, Rhode Island, and Washington—offer potentially the most complete integration of the two programs. There are evident benefits in centers concentrating on traumatic disabilities; there is greater specialization; the cases tend to be relatively recent in origin and can be processed before despair patterns become confirmed. The patients generally retain employment ties that may be reactivated and have a job orientation that is often helpful. The rehabilitation is financed as a workmen's compen-

sation cost. To the injured worker it comes as an insured right without any means test or any implication of public assistance. Such centers have been performing excellent services for the injured employees under their jurisdiction.

The success of workmen's-compensation-operated centers, however, requires an administrative agency with considerable authority, empowered not only to establish the necessary facilities and provide the services, but also with clear authority to refer cases for rehabilitation. Such agencies are the exception rather than the rule in present American compensation practice. The fact that so few States have taken this course during four decades does not inspire much hope for a major trend for the direct provision of rehabilitation services under workmen's compensation.

*Cooperation With Federal-State and Voluntary Community Centers.* A plan of rehabilitation geared to State, local government, and community centers offers a number of advantages. Community centers tend to be broader in scope than centers dealing exclusively with work injuries. They represent an investment in services and facilities available also to the worker's family and to the worker injured off the job. Community centers can make for fuller utilization of scarce resources by avoiding the duplication of personnel and facilities performing the same functions for different population categories. Local arrangements, moreover, can bring rehabilitation closer to the workers' communities—an important factor in inducing workers to accept rehabilitation. Such arrangements can provide for better integration of rehabilitation with the sources of medical education, medical service, placement agencies, and other community services.

Considering its vast responsibilities and chronically limited budgets, the Federal-State program has achieved remarkable results, especially since the Barden-LaFollette Act of 1943 broadened its scope to embrace the full range of rehabilitation including medical and psychiatric services. Nevertheless, examination of the volume of rehabilitation of injured workers, the delays in securing service, the weaknesses in the referral system, the shortages of personnel, the inadequate financing, and other serious shortcomings, revives the question as to whether it was proper for

workmen's compensation to have transferred, largely or entirely, the responsibility for rehabilitation to another program without at least sharing in the cost and without taking definitive responsibility for following its cases through to complete rehabilitation. The question persists whether the responsibility to purchase or provide rehabilitation services must not be made an integral part of workmen's compensation, just as medical care is.

The volume of rehabilitation is critically inadequate. The Labor Department and the Office of Vocational Rehabilitation have estimated that at least 200,000 of the nearly 2,000,000 workers injured each year could benefit from rehabilitation. By this standard of eligibility, "only 3 percent of the injured workers in the United States are receiving the type of service needed."<sup>13</sup> About 6,000 injured workers annually receive rehabilitation services under the Federal-State program, but each year fully twice as many sustain serious permanent disabilities and are in acute need of rehabilitation. Most of the rehabilitation is received, not by those currently becoming disabled, but by a portion of the vast, and growing, backlog of persons needing rehabilitation.

Authorities are unanimous in stressing the crucial importance of promptness. Nevertheless, the Task Force on the Handicapped has made public the fact that, while the Rehabilitation Center of the Liberty Mutual Insurance Co. in Boston reported an average lag of 6.4 months from injury to admission, under the Federal-State program it had taken 7 years on the average for occupationally disabled workers to find their way to the rehabilitation agencies in 1951.<sup>14</sup>

The tendency has been to approach the matter of referrals superficially. The problem is far too deeply rooted to be overcome by merely urging more prompt action or even through improvements in the mechanics for referral. One important cause

of delay is built into some of the statutes; rehabilitation is not authorized until the worker qualifies by becoming entitled to an award for major permanent disability. Claim settlement procedures which require the worker to maximize his disability in order to secure fair compensation also interfere with rehabilitation—and this is one of the deep-seated evils of present compensation practice that may prove exceedingly difficult to overcome.

Far greater access to facilities is needed. Injured workers usually must travel to the large urban centers at considerable hardship and expense. In most States, travel and maintenance expenses are not provided under the compensation law and, indeed, the regular cash benefits themselves are insufficient for this purpose.

Rehabilitation is not only grossly underfinanced but, partly as a consequence, seriously understaffed. As Mary E. Switzer, Director of the Office of Vocational Rehabilitation, recently testified: "... the urgent need for more trained personnel is not limited to the field of medicine. The need for physical therapists, occupational therapists, speech and hearing therapists, rehabilitation counselors, special class teachers, social workers, psychologists, and other specialists is even greater."<sup>15</sup>

### Trends and Developments

The conquest of disability is one of the most constructive achievements of our time. Notwithstanding the many remaining lags, the merits of rehabilitation are gaining recognition. In 1951, the Industrial Commission of Ohio was authorized to advance \$300,000 to establish a rehabilitation center. Puerto Rico appropriates \$50,000 annually for the rehabilitation of injured workers. Numerous community rehabilitation facilities are being planned and built.

Two of the more significant attempts to extend rehabilitation for injured workers have come from a labor union and an insurance company. The union is the United Mine Workers, which concluded that "the problems which the severely disabled face in making a recovery are created in great measure by the present inadequacies of our workmen's compensation, relief, and rehabilitation programs."<sup>16</sup> The union's Welfare and Retirement

<sup>13</sup> See Report of Rehabilitation Committee to 1950 Annual Convention of the IAIABC. (*In* Workmen's Compensation Problems, U. S. Department of Labor, Bureau of Labor Standards, 1950. Bull. 142, p. 173.)

<sup>14</sup> See Report of the Task Force on the Handicapped to the Chairman, Washington, Office of Defense Mobilization, Manpower Policy Committee, 1952 (p. 31).

<sup>15</sup> Hearings, Special Subcommittee, House Committee on Education and Labor, pursuant to H. Res. 115, 1953, pp. 49-50.

<sup>16</sup> Rehabilitation of the Severely Disabled: UMWA Welfare and Retirement Fund Experience. By Kenneth E. Pohlmann. (*In* American Journal of Public Health and the Nation's Health, New York, April 1953, p. 451.)

Fund set out to supplement and coordinate the rehabilitation of disabled miners in conjunction with the Federal-State and other public and community agencies. The signal contribution made by this program has been to demonstrate the effectiveness of rehabilitation and to improve screening and referral procedures for its members. Other unions are now studying the possibility of promoting rehabilitation through collective bargaining.

The insurance company is Liberty Mutual, one of the major insurers of workmen's compensation liabilities. It observed the slow progress in bringing modern rehabilitation to injured workers. It was concerned with the rising cost of workmen's compensation and saw rehabilitation as one constructive method for controlling cost. Since 1943 it has operated a center in Boston which has produced excellent results, having derived many of the advantages of a program closely integrated in the workmen's compensation process. Its contribution is the demonstration that rehabilitation pays. The savings in reduced medical and compensation costs are difficult to measure by rigorous standards, although many specific cases can be cited in which very substantial amounts were saved. Stanwood L. Hanson, in evaluating the center's work, has stated the case with candor: "Although we still have many failures, the successes outweigh our failures, and our gains in human values and in

dollars far exceed the cost of providing these services of rehabilitation."<sup>17</sup>

\* \* \* \* \*

Sweeping changes are needed to modernize the Nation's workmen's compensation laws. There is probably no better place to start than with the establishment of a definitive program of rehabilitation for occupationally disabled workers. Rehabilitation should be as firmly established under workmen's compensation as the responsibility for medical care. Whether the services should be directly provided by the workmen's compensation board or purchased from community centers is not the basic issue. The need is for the assumption of responsibility for comprehensive rehabilitation and for a vast expansion in its availability. The medical care provisions should be broadened to cover the cost of medical restoration in full. The administrative agency should be given clear authority to make rehabilitation services and income-maintenance benefits available to all who need them. The administrative reforms which are urgently needed in workmen's compensation generally—in the direction of a clinical rather than a forensic system—can most logically and appropriately begin with rehabilitation. Once rehabilitation becomes a definitive part of workmen's compensation, further improvements will become possible, such as the revision of the much-criticized disability rating system. This is the most promising prospect for workmen's compensation as it stands today.

<sup>17</sup> Disabled Men Work Again. (*Ja American Journal of Public Health and the Nation's Health*, New York, July 1952, p. 790.) See also *The Rising Cost of Workmen's Compensation Cases and New Methods of Control*, published by the Liberty Mutual Insurance Co.



# Summaries of Studies and Reports

## Injury Rates in the Fluid-Milk Industry, 1952

ONE of every 19 employees in the fluid-milk industry, on the average, suffered a disabling injury in 1952. These injuries averaged 70 days lost time—the equivalent of 3.7 days lost time for each worker in the industry. This record represents a tremendous loss to both workers and employers.

The industry's work-injury frequency rate<sup>1</sup> of 23.1 in 1952 was approximately 62 percent greater than the all-manufacturing rate of 14.3.<sup>2</sup> In fact, the rate for the fluid-milk industry has exceeded the average for all manufacturing industries by at least 20 percent in all but 1 of the 11 years for which the Bureau of Labor Statistics has computed figures for that industry. A comparison of the two rates follows:

	All-manu- factur- ing rate	Fluid-milk industry	
		Rate	Index (all- manu- factur- ing=100)
1942.....	19.9	24.0	121
1943.....	20.0	18.2	91
1944.....	18.4	22.0	120
1945.....	18.6	24.4	131
1946.....	19.9	26.6	134
1947.....	18.8	24.5	130
1948.....	17.2	23.2	135
1949.....	14.5	23.7	163
1950.....	14.7	26.9	183
1951.....	15.5	27.3	176
1952.....	14.3	23.1	162

The fluid-milk industry includes all establishments primarily engaged in the wholesaling and/or retailing of fluid-milk and milk products. Specifically, it includes firms engaged in house-to-house delivery of milk, wholesale delivery of milk and milk products to retail food stores and other establishments, and retail dairy stores. While distribution of milk and its products is the primary work of the industry, some plants, to use excess

milk, also engage in incidental manufacturing operations such as the production of ice cream, cheese, and butter.

Broad industry figures conceal important variations in the injury experience of individual plants. Size, type of trade, and the kind of departmental operations are characteristics which account for differences in injury rates among plants. To measure the effects of such influences on injury rates in the fluid-milk industry, in 1952 the Bureau enlarged the coverage of this industry and requested participating plants to report their injury experience by operating departments, instead of plant as is customary. Detailed reports were received from 3,565 plants, about 8 times as many as were included in recent years. Reporting plants included both wholesale and retail distributors of dairy products, those with integrated wholesale and retail operations, and retail dairy stores. These plants employed over 101,000 workers, about 3 times the number usually covered in the annual surveys, and reported over 5,200 disabling injuries, including 15 fatalities and 3 permanent-total disability cases.

The additional plants participating in the special study had a somewhat better injury experience than those reporting regularly. As a result, the injury-frequency rate for all reporting plants, 23.1, was 15 percent below the 1951 industry average. Among plants which reported for both years, however, the injury-frequency rate had improved by only 2 percent. While these reductions, measured by percent, are substantially different, the point difference in injury-frequency rates for 1952 was not statistically significant.

### Trade Comparisons

For wholesale distributors and retail milk dealers, the frequency of disabling injuries differed

<sup>1</sup> For definition, see footnote 1 on accompanying table.

<sup>2</sup> Final figure released on November 4, 1953, which supersedes the preliminary figure previously published.



very little. (See accompanying table.) Employees of the latter group, however, experienced 9 fatalities and 2 permanent-total disabilities. As a result, disabling injuries in retail milk plants averaged 80 days lost time per injury, while those occurring in wholesale plants averaged only 49 days.

Integrated wholesale and retail milk plants averaged 25.7 disabling injuries per million hours worked—14 percent higher than the average for retail milk plants and 9 percent greater than that for wholesale distributors. Injury severity in the integrated plants, however, was about average for the industry.

Retail dairy stores averaged 15.6 disabling injuries per million hours worked. One fatality and

3 permanent-partial disabilities included in the 176 reported injuries, however, kept the average time lost at 70 days per injury—the industry average.

### Plant-Size Comparisons

Most special industry studies have shown that injury-frequency rates tend to increase with plant size until they reach a maximum at or near the 250 to 499 employee level, and then to decrease in larger plants. However, the pattern of frequency rates in the fluid-milk industry differed somewhat from that in other industries, in that they continued to increase with plant size (see chart). For the very small plants—less than 5 employees—

Work-injury rates in the fluid-milk industry, classified by type of trade and department, 1952

Type of trade and department	Number reporting	Number of employees	Frequency rates <sup>1</sup>				Severity		
			All disabling injuries	Deaths and permanent-total disabilities	Permanent-partial disabilities	Temporary-total disabilities	Average number of days lost or charged per—		Severity rate <sup>2</sup>
							Disabling injury	Temporary-total disability	
Total <sup>3</sup>	Establishments 3,565	101,105	25.1	0.1	0.8	22.2	70	15	1.6
<i>Type of trade</i>									
Wholesale distributors	770	23,269	23.5	(*)	.7	22.8	49	14	1.1
Retail milk dealers	1,517	36,473	22.2	.1	.8	21.3	80	15	1.8
Retail dairy stores	204	5,214	15.6	.1	.3	15.2	70	14	1.1
Integrated wholesale and retail milk plants	885	32,267	25.7	.1	1.0	24.6	72	16	1.8
<i>Department</i>									
Milk handling operations: Total <sup>4</sup>	Units 12,102	59,096	28.9	.1	1.0	27.8	66	15	1.9
Pickup and hauling	121	591	28.4	.7		27.7	170	17	4.8
Receiving and weighing	1,664	3,179	20.9		.8	20.1	41	13	.8
Testing (laboratory)	938	1,187	9.5		.4	9.1	31	12	.3
Pasteurizing	221	540	29.0			29.0	9	9	.3
Bottle washing	1,613	2,235	21.7	.2	1.6	19.9	105	11	2.3
Bottling and casing	1,652	4,474	44.6		2.8	41.8	45	12	2.0
Cold room	871	1,783	27.7		.5	27.2	18	13	.5
Cleanup	1,162	2,734	33.1		.5	32.6	18	13	.6
Loading	1,019	3,253	39.4	.1	.9	38.4	53	12	2.1
Delivery	2,525	37,969	27.7	.1	.8	26.8	77	16	2.1
Manufacturing operations: Total <sup>4</sup>	565	3,584	23.6	.1	1.9	21.6	106	12	2.5
Ice cream	223	1,750	19.3		.5	18.8	21	8	.4
Butter and cheese	127	439	36.3		3.0	33.3	113	14	4.1
Maintenance and power operations: Total <sup>4</sup>	1,790	5,113	24.0	.1	1.0	22.9	79	18	1.9
Power and refrigeration	541	1,270	18.9			18.9	23	23	.4
Maintenance, except automotive	593	1,654	30.1		1.8	28.3	73	17	2.2
Maintenance, automotive	566	2,189	22.4	.2	1.0	21.2	111	18	2.5
Retail stores	660	5,527	8.5			8.5	16	16	.1
Miscellaneous: Total <sup>4</sup>	2,954	13,233	4.5	(*)	.2	4.3	88	17	.4
Administration and clerical	1,988	10,782	2.8		.1	2.7	39	13	
Foremen, general	149	491	12.8	.9	.9	11.0	424	16	5.6
Janitors	434	571	12.8		.8	12.0	137	26	1.7
Sales	127	795	8.9		.6	8.3	22	14	

<sup>1</sup> The injury-frequency rate is the average number of disabling work injuries for each million employee-hours worked. A disabling work injury is an injury arising out of and in the course of employment which results in death or any degree of permanent impairment, or makes the injured worker unable to perform a regularly established job, open and available to him, throughout the hours corresponding to his regular shift on any one or more days (including Sundays, days off, plant shutdowns) after the day of injury.

<sup>2</sup> The severity rate is the average number of days lost or charged for each thousand employee-hours worked. The standard time-loss ratings for fatalities and permanent disabilities are given in Method of Compiling Industrial Injury Rates, approved by the American Standards Association, 1945.

<sup>3</sup> Totals include figures not shown separately because of insufficient information.

<sup>4</sup> Less than 0.05.

the injury-frequency rate was only 10.0. Each successively larger size-group had a slightly higher injury-frequency rate, up to a maximum of 29.8 for the more-than-500 employee group. Moreover, 5 establishments in this last group, each employing more than 1,000 workers, had an even higher average rate of 34.4,<sup>3</sup> representing a range among the individual plants of from 6.9 to 84.5 disabling injuries per million hours worked.

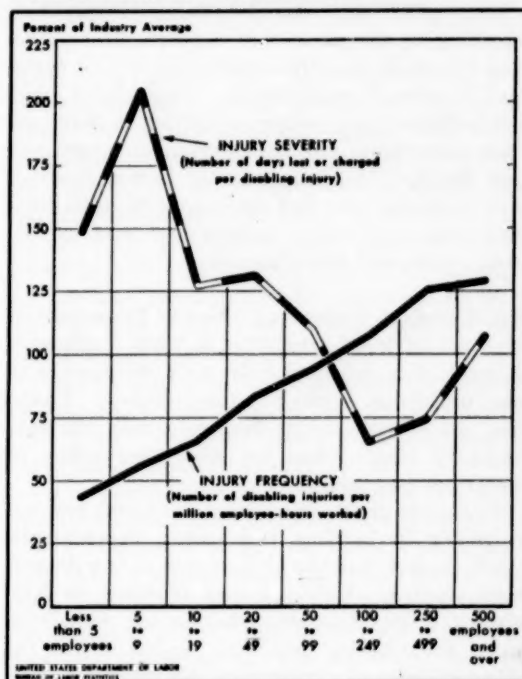
The comparatively low frequency rate achieved by the small plants appears to be attributable to the personal supervision of the owner or manager of plant and delivery operations. He can, therefore, detect hazardous working conditions and unsafe practices as they develop and can take the necessary steps to correct or remove them. However, as additional workers are employed, much of the direct supervision of operations must be delegated. Unfortunately, foremen and supervisors rarely have had safety training and often place greater importance on production responsibilities than on attention to safety.

In most industries, the larger plants have reduced their injury-frequency rates through special safety measures which are made possible by the high level of production. Safety programs may include special training for foremen and supervisors, and, in the very large plants, the employment of full-time safety personnel. In addition, large plants find it feasible to equip and maintain first-aid rooms, which do not, of course, prevent accidents, but adequate first-aid treatment may indirectly reduce the number of disabling injuries. In the fluid-milk industry, however, a high level of production usually means proportionately more of the plant's workers are delivery men who work with little direct supervision, and the accident problem is accentuated. This probably accounts for the steady rise in injury-frequency rate as plant size increases.

Group averages tend to conceal wide variations in injury-frequency rates among individual plants. Actually, 73 percent of the plants reported no injuries in 1952. Most of these were small but they included three plants with over 175 workers. While no plant with average employment of 250 or more achieved an injury-free year, 9 such

<sup>3</sup> Most plants within the fluid-milk industry are small; data in the chart are shown, therefore, for only one size group above the 500 employee level.

### Disabling Work Injuries in the Fluid-Milk Industry, Classified by Size of Plant, 1952



establishments had injury-frequency rates of less than 5, including 2 with an average employment of over 700.

In contrast, 114 plants, or 3 percent of those surveyed, had injury-frequency rates of 100 or more. Again, most of these were small and none had average employment exceeding 100. At this adverse end of the scale, 335 establishments, employing but 11 percent of the workers, reported 37 percent of the disabling injuries and 25 percent of the time lost.

Injuries tended to be more severe among the smaller plants. For plants with less than 100 employees, the average time charge per injury was appreciably greater than the industry average, while for plants ranging from 100 to 499 employees, it was substantially less than average. The largest plants, however, averaged 75 days lost per injury, slightly above the figure for the industry as a whole.

### Departmental Comparisons

Many plants were unable to furnish injury data according to the pattern of departmental operations for which data were requested, due to variations in internal organization. Most plants, however, reported their injury experience in detail for some operations; only 641 failed to report any such detail. The departmental figures reported were combined into five major groups: milk handling, manufacturing, maintenance and power, retail stores, and miscellaneous.

**Milk-Handling Operations.** Nearly 75 percent of the reported injuries occurred in these operations, although they accounted for only 60 percent of total man-hours worked in the industry. Therefore, the average injury-frequency rate was substantially higher than for any other group of operations (see table).

Within the group, injuries occurred with greatest frequency in bottling and casing departments, which, in fact, had the highest rate of any department studied. Although they reported no fatal injuries, a large number of permanent disabilities raised the severity rate<sup>4</sup> 25 percent above the industry average. However, the relatively high proportion of temporary disabilities held the average time lost per disabling injury to a favorable 45 days.

Loading department employees also had an unfavorable injury-frequency rate. A fatality and 7 permanent disabilities among the 293 reported injuries produced a high severity rate but, again, the incidence of temporary disabilities held the average time lost per injury to 53 days.

Only one other department in this group, cleanup, had an injury-frequency rate of over 30. Serious disabilities, however, were very infrequent, and time lost—per injury and per thousand hours worked—was very low.

Driver salesmen experienced more than half of the disabling injuries in the industry but, because of the large number of drivers employed, their injury-frequency rate was only 20 percent above the industry average. About half of the industry's fatalities and a large proportion of the serious disabilities involved drivers. As a result, driver

salesmen accounted for more than half of the time lost due to work injuries in the industry, but the high incidence of temporary disabilities held their average time lost per injury to 77 days.

In contrast, laboratory workers had an injury-frequency rate of 9.5—less than half that for any other group of employees in the milk-handling division. Furthermore, only 1 of the 26 reported injuries resulted in a serious disability.

Two groups had extremely unfavorable severity averages. For the relatively small number of pick-up and hauling department employees, one fatality among the 39 reported injuries produced a very high average time lost per disabling injury and a severity rate triple the industry average. In bottle-washing departments, serious disabilities were relatively frequent. One fatality and 8 permanent disabilities among 112 reported injuries accounted for 105 days lost time per injury.

Operations in which serious disabilities were relatively infrequent included pasteurizing and the cold room. As a result, the injury-severity rates for each of those operations was 0.5 or less.

**Manufacturing Operations.** Many milk plants were also engaged in incidental manufacturing operations. The frequency of injuries in these operations was slightly higher than the industry average, but approximately 20 percent less than in milk-handling operations. Injuries, however, tended to be more severe; the average time lost per injury and the severity rate were both 50 percent greater than the industry average.

Data available permitted computation of injury rates for only two specific manufacturing operations—ice cream and butter and cheese. Compared with industry averages, ice cream departments had favorable injury records; only 2 of the 78 reported injuries were serious disabilities. As a result, the average time lost per disabling injury was only 21 days and the severity rate was 0.4. For butter and cheese departments, on the other hand, the injury-frequency rate was about 50 percent greater than the industry average. Serious disabilities were also more frequent; consequently, the severity rate was  $2\frac{1}{4}$  times greater than for the industry as a whole.

<sup>4</sup> For definition, see footnote 2 on accompanying table.

*Maintenance and Power Operations.* As a group, the maintenance and power departments had injury records only slightly more unfavorable than the industry average. Power and refrigeration departments had the best records within this group, their injury-frequency rate being only 18.9. Since none of the reported injuries resulted in death or serious disability, the severity of injuries, both in terms of time lost per injury and per thousand hours worked, was highly favorable.

Plant maintenance had a higher frequency rate than automotive maintenance: 30.1, compared with 22.4. A fatality in automotive maintenance, however, raised the average time lost per disabling injury about 50 percent above that for plant maintenance.

*Retail Stores.* Retail store clerks had better injury records than any other operation studied except office work. Furthermore, it was by far the largest group reporting no fatalities or permanent disabilities. Average time lost per injury was only 16 days, and the severity rate was one of the lowest in the survey.

*Miscellaneous.* Generally, the miscellaneous group of workers had favorable injury-frequency records. In some specific operations, however, serious disabilities produced adverse severity records. For example, general foremen had a frequency rate of 12.8 but, of the 15 reported injuries, 1 was a fatality and another a permanent finger injury. As a result, the relatively small group of foremen had the highest recorded average time lost per disability and severity rate.

Similarly, janitors had a frequency rate of 12.8 but, again, 1 of the 16 reported injuries was a serious permanent disability. Consequently, their average time lost per disabling injury was 137 days.

Administrative and clerical workers experienced only 2.8 disabling injuries per million hours worked and sales personnel (except delivery salesmen), only 8.9. Serious disabilities were also infrequent so that their severity averages were less than half that for the entire industry.

—GEORGE R. McCORMACK  
Branch of Industrial Hazards

## The Ford Plan for Employing the Handicapped<sup>1</sup>

THE Ford Motor Co.'s "practical working plan" for employment of the physically handicapped works well for the company, despite a number of problems which keep cropping up. Overall, it has resulted in 1,200 placements of handicapped people over the past 6 years. The program and some of the experience gained under it are outlined here, in the hope they may be helpful to others who are as sincerely concerned as is the staff at Ford with continuing the effective placement of the physically handicapped.

Ford's basic policy regarding the employment of physically handicapped persons goes back to the World War I days when a great many disabled veterans came home looking for their old jobs or sought employment at the company for the first time. The late Henry Ford believed that no man was "disabled" if he had the courage to go ahead and the willingness to do his level best in whatever he undertook. He believed that what a handicapped person needed most was a chance to become self-sustaining, to maintain his self-respect and, above all, to play a productive role in society. With this philosophy, he found work at the company for large numbers of handicapped people. Over the years, that basic policy has been strengthened and expanded wherever possible.

Today, at the Rouge Plant in Dearborn, Mich., there are more than 4,100 known physically handicapped persons at work. These include 40 one-armed workers, 4 who have lost both arms, 62 with only one leg, 3 who are double-leg amputees, and more than 300 others who have arm, hand, or leg deformities of one kind or another. Eight workers are totally blind, more than 250 have only one eye and hundreds of others suffer from back and spine injuries, deafness, diabetes, epilepsy, nervousness, heart ailments, and other illnesses.

These figures have particular significance in a "heavy" industry and in plants where nearly all

<sup>1</sup> Based on a paper presented at the fall meeting of the President's Committee on Employment of the Physically Handicapped, Washington, D. C., September 22, 1953.



of the 4,000 hourly job classifications are in direct production activities. So-called "light" jobs are in a very small minority, as compared with many other types of manufacture. Even an "easy" job such as sweeping floors or collecting scrap can be an arduous, demanding kind of work in an automobile plant. Further, no special jobs are created for the handicapped. The company's policy is that an individual is properly placed only on a regularly established job that must be done anyhow, whether by an able-bodied or a handicapped person—and the handicapped person must meet production standards for the job.

Rehabilitation and placement of the physically handicapped is a team effort at Ford Motor Co. The team is made up of the safety, workmen's compensation, medical, and medical placement departments—and the supervisors or foremen.

The safety department reflects the firm belief that prevention is still the best solution to the problem of physical handicaps. During the past 6 years, Ford has reduced its accident frequency rate by 80 percent and the severity rate by more than 60 percent. (In 1952, Ford Motor Co. received the Award of Honor from the National Safety Council for its outstanding performance in preventing injury to its employees.) Therefore, the great majority of physically handicapped people at Ford either suffered nonoccupational disabilities after being hired or were already disabled at the time they were hired.

The workmen's compensation department, of course, is responsible for the prompt settlement of valid claims for compensation. In addition, it cooperates with company and private medical authorities and State compensation commissions in developing and arranging rehabilitation programs for disabled employees.

Job placement of the physically handicapped actually begins with the medical department. In addition to providing medical treatment and an extensive industrial hygiene program, this department examines all new employees and all employees returning from sick leave to determine definitely their physical capabilities. If any physical disability is found, the doctor's diagnosis and his recommendations as to work limitations are forwarded to the next member of the team—the

medical placement unit, a division of the company's hourly personnel department.

The services of the medical placement unit are available to *all* physically handicapped employees, not just to those who have suffered occupational injury or disease. An employee may go to the unit on his own, complaining of a heart ailment, for example, and ask to be placed in some easier kind of work. Or an employee may be sent to the unit by his supervisor, who feels that the man is not performing efficiently because of some known or perhaps undiscovered disability.

In either case, the employee is referred immediately to the medical department which, in turn, gives the placement unit a full medical evaluation as to his physical capabilities and an authoritative recommendation as to the type of work the employee may do. If the employee can present medical evidence from his personal physician, this also is taken into consideration by the company physicians.

Once the medical phase has been completed—and this, of course, may involve treatment, prosthesis, and even job training—the placement unit begins its work. Placement involves a number of important considerations: the employee's physical and occupational capabilities; occupational aptitudes, attitude, occupational and wage history, seniority, and performance on previous assignments; and the suitability of current job openings, as reported by supervisors; the physical and other requirements of these jobs; and the safety of the physically handicapped employee and his fellow workers.

With this information as a guide, the placement unit attempts to place the worker in a job *that he can do safely and efficiently*. Finding these jobs is not a matter of chance or last-minute searching. Five staff members spend full time surveying all kinds of jobs in the Rouge plant area to determine which can be done by handicapped persons and by what type of handicapped person. The unit utilizes this running survey of current and potential job openings in making placements.

However, placement involves more than simply looking over the list of jobs to find one for which the handicapped worker seems to be qualified. Each of the more than a dozen different plants in

the Rouge area has its own seniority system, so that a man who has worked for many years in the engine plant, for example, cannot because of his disability "bump" a man in the glass plant with fewer years of service. Therefore, wherever possible, the opening must be in the plant where the handicapped person has seniority. Or it may be that the worker needs medical care which would prevent his taking an otherwise suitable job; a diabetic, for example, could not work on a shift that would prevent his taking insulin at the proper time.

If there are no obstacles of this nature, however, the next step in placing the worker falls to the fifth member of the team—the supervisor—whose full cooperation is essential to proper placement of the handicapped. Many supervisors have tended to resist any placement policy which might restrict the versatility of their work force or materially reduce its productivity. This attitude is the result of poor job placement in the past, of unfounded prejudice, and of the very nature of automotive manufacturing, which calls for frequent changes in machines, methods, and products, and thus for versatile employees. The Ford Motor Co. has made a good deal of progress toward minimizing this resistance. It has approached the problem by constantly improving the whole rehabilitation process, by giving the supervisor a full voice in placement matters, by making certain he is well informed as to the capabilities of handicapped persons sent to him, and by servicing any complaints, either by him or by the handicapped employee, after the job placement has been completed.

At Ford, there is a strong feeling that successful placement depends upon maintenance of this personal relationship between the employee, the placement officer, and the foreman, even in a plant as large as the Rouge area. After a handicapped person has been placed on a job, the placement unit checks periodically to make sure that both the employee and the foreman are satisfied. If the employee is transferred later to another job, the placement unit is notified so that it may approve the new type of work the employee will be doing. If the handicapped employee should be laid off through no fault of his, the placement unit again tries to place him permanently.

Unfortunately, not *all* handicapped people at Ford have been placed successfully. If, as often happens, no job opening can be found for an employee who becomes disabled, his name is placed on a "medical recall" list, and he is taken off the active rolls until suitable work is available. The number of people on this medical recall list has been reduced to about 90 in the Rouge plant area, all of whom the company is trying to return to work at the earliest possible time. Meantime, no handicapped persons from outside the company can be hired, because it would be unfair to take on other handicapped workers until jobs have been found for people who have become disabled while employed by the company.

Two examples serve to illustrate the accomplishments of Ford's "practical working plan" for the employment of the physically handicapped:

Some years ago, an employee became totally blind. When he was able to return to work, he was given a job on the starter and generator assembly line, where he could fit small pieces together entirely by touch. He is on the job today and his foreman states that he is doing as well as any person with normal vision could do.

Another employee had both hands amputated as the result of an accident. He was furnished artificial hands and was sent to Kessler Institute in New Jersey to learn how to use them. Although he had been classed as a nonskilled worker at the time of his injury, he was put on inspection work when he returned to the company. Later, thanks to the opportunity that was given him and the cooperation of his foreman, he became a skilled employee. What makes this case even more interesting is that the employee has apparently undergone a tremendous emotional and mental readjustment. Before his accident, he was somewhat uncooperative, lacked initiative, and was in frequent trouble with his supervisor. After returning to work in a new and more responsible job, however, he became very cooperative, demonstrated a lot of initiative, and is now one of the most loyal and enthusiastic employees in the plant.

—ROBERT T. ROSS

Industrial Relations Staff, Ford Motor Co.

## Personnel Conference of the American Management Association

THE ORGANIZATION AND FUNCTIONS of the personnel department and its relation to the workers occupied the attention of more than 1,000 personnel executives at a conference of the American Management Association<sup>1</sup> in New York City in September 1953.

Those attending the conference came to exchange information, ideas, and opinions, and to learn new personnel techniques from the practical experience and research of other businessmen and university research centers. Notable throughout the conference was just such a free exchange of information, regardless of competitive relationships of many companies represented.

John Post, manager of the Industrial Relations Department of the Continental Oil Co., set the stage for the meeting in an opening address by pointing out: "We are witnessing changes in processes, methods, and machinery which simply confound our imagination. We even hear serious talk about pushbutton factories. As a result, occupations in the extractive and manufacturing industries are diminishing as a percentage of gainfully employed . . . we have seen a spectacular growth in service occupations and an almost fantastic growth in clerical and administrative occupations." These changes, Mr. Post believes, will alter management's job so that more counseling and less directing will be required. This offers the industrial relations manager "an opportunity to show skill and leadership as a planner, as a mold of unity out of divergent or special points of view, as a teacher, and as an inspiration to thoughtful, farsighted action."

Subsequent discussion at the conference centered on four general topics: the dynamics of current labor relations, latest techniques in personnel administration, how to set up an effective personnel department, and motivating employees to do a fair day's work. Topics were covered by the

various speakers or panels in terms of personal work experiences.

### Setting Up Effective Personnel Administration

The highlight of the conference for many personnel administrators was the all-day discussion of the organization of the personnel department. Two personnel-conscious corporations, substantially different in personnel organization, were represented on the panel—The Radio Corporation of America, RCA-Victor Division, a large, multi-plant, highly unionized corporation, and Pitney-Bowes, Inc., manufacturers of office equipment, a one-plant nonunion establishment. Paul Pigors and Charles A. Myers of the Massachusetts Institute of Technology acted as co-chairmen at the meeting.

Dr. Pigors opened the meeting by recommending that the personnel administrator be made a part of top management. He should not be thought of only as "the welfare officer, doing nice things for nice people; the chief clerk in the employment department" but should report to the chief executive, and consult with line representatives to put his ideas into operation. "If personnel administrators could always express their points of view before plans and policies were decided upon, then the implications for personnel relations could be recognized in time to prevent many misunderstandings and difficulties."

Recognition appeared to have been given to the need for such personnel participation in policy formation in the organization charts of the Pitney-Bowes and RCA-Victor personnel departments which were presented at the meeting. Comparison indicated that, while the same personnel functions are carried on by both departments, each company had, of course, tailored its personnel organization to its individual needs. In the Pitney-Bowes personnel department, the program is concentrated under the direction of relatively few individuals. In RCA-Victor, on the other hand, the personnel function is divided into eight separate departments. These departments are Wage and Salary Administration, Training, Safety and Health, Security, Personnel Services, Employment, Organization Development, and Labor Relations. Various levels of personnel management exist, from the office of vice president in charge of personnel for the entire corporation down through separate

<sup>1</sup> The American Management Association is, in its own words, "a cooperative organization of businessmen, government officials, consultants, college instructors, and other professionals who are interested in the development of better management methods." Since 1923, it has carried on its program through conferences, workshop seminars, training courses, expositions, publications (including 3 business magazines), and research. This meeting was one of a series of conferences regularly held on various activities of business and industry.

personnel departments for the various manufacturing divisions and the individual plants.

RCA-Victor deals, through its personnel department, with 46 AFL, CIO, and unaffiliated unions. It has had no strikes since 1936, according to A. F. Watters, vice president in charge of personnel. The attitude of RCA-Victor toward the unions in its plants, according to the speaker, is to live with them and, from the viewpoint of the personnel department, take advantage of what help they can give in worker satisfaction, transmittal of information, and the like.

On the question of unionization, J. J. Morrow, director of personnel relations for Pitney-Bowes, explained that the last time a union attempted to organize the plant was in 1946. At that time the company "carefully described the advantages and disadvantages of [proposed] unionization" to the employees, and the union was defeated. On all matters, it was explained, the company has endeavored to maintain such wages and working conditions that the workers will not feel the need for union representation. On wages, for example, the company uses area surveys of the Bureau of Labor Statistics and those from other sources to make sure the company does not fall behind in its pay scale.

The Pitney-Bowes personnel department carries on an extensive program to keep employees informed of company operations. Each employee receives a handbook when he enters the company; an employee magazine and a quarterly letter from the president of the company are sent to him regularly. He receives a copy of the company's annual report, and attends "jobholders" meetings designed to keep him informed on company policies and programs. For the benefit of each employee, according to Mr. Morrow, the company's grievance procedure permits him to carry a complaint through various management levels as an individual. A noncontributory retirement plan is maintained, and the personnel department helps employees in planning for their own retirement. A profit-sharing plan is also in operation.

#### **New Techniques in Personnel Administration**

Representatives from three companies spoke on the techniques which are being developed to deal with changing problems of personnel. Mr. Claude V. Swank, vice president of Johnson & Johnson,

discussed the steps being taken to restore "middle" management—the foremen, supervisors, and executives—to a more active supervisory status. In many companies, he said, the middle management group is "so busy being trained they aren't supervising the workers . . . Let's consolidate our gains and put this training to work."

Industrial psychiatry, one of the newest developments in industrial medical care, was discussed by Dr. Frederick W. Dershimer, director of psychiatry in the medical division of E. I. Du Pont de Nemours and Co. He defined mental health as "a state of continued natural growth in mental productivity, as demonstrated and measured in terms of useful performance." Among industry's health-promoting mechanisms, Dr. Dershimer cited its achievements in physical safety, its training of supervisors in human relations, its "excellent" medical services, and its acceptance of the employee's right to confidence on personal medical matters which he discusses with the company medical department.

A third new development in personnel techniques—training programs—was discussed by Chester C. Payne and Ralph G. Smith of the Dow Chemical Co.'s education department. This "service" organization is maintained to develop specific worker skills for various Dow Co. jobs. Training programs in operation include those for maintenance workers, power plant personnel, new and potential plant supervisors, technical people, laboratory assistants, and salesmen. In some departments, job progression is geared to the training program by agreement with the union. An economic education program is now being carried to 20,000 employees in all Dow plants.

Although the company has been training certain of its employees since 1932, it has only recently undertaken the training of production workers. This new training program includes indoctrination and on-the-job training, lectures on safety and operations, and classroom training using mainly text materials prepared within the company. Additional training for head operators, crew leaders, subforemen, and certain hourly men is provided.

Specialized training is also given for certain types of employees. For example, college graduates with technical training are given 6 to 8 special 6-week training assignments along with a series of weekly lecture meetings. Workers in the



power department are specially trained because of the complicated equipment and frequent changes in design. Assistants in the laboratory are trained in laboratory techniques by the company. Promotions for individuals in this latter group are based in part on examinations administered by the education department.

Training for new supervisors begins with a 1-week induction course planned with the human relations aspect of their jobs in mind. Monthly meetings are held by supervisors to discuss common problems. Courses are offered to supervisors by the company in discussion leadership and in public speaking.

### **Motivation for a Fair Day's Work**

Giving workers a sense of personal worth seems to result in higher productivity and greater job satisfaction than does supervision based upon close control and direct rewards and punishment, according to Dr. Rensis Likert, director of the Institute for Social Research of the University of Michigan. Dr. Likert, acting as chairman for the meeting on employee motivation, took exception to the idea of motivation "to do a fair day's work"; he said, rather, that a fair day's work is a byproduct of good human relations.

"Employee-centered" supervision—in which supervisors see themselves as the employees' representatives, emphasize the leadership aspects of their jobs, encourage team spirit, and treat employees as individuals rather than as cogs in a machine—tends to be associated more often with high production than does its contrast, "production-centered" supervision. Studies made by the University's Survey Research Center in plants employing a total of more than 50,000 workers have borne out this finding.

Motivations currently overrated, according to Dr. Linkert, include financial incentives in the form of individual and group piece rates, and rewards in the form of employee benefits and recreational programs. Incentives, Dr. Likert said, do not "in themselves lead to maximization of production. Employees, when under direct pressure from management, may restrict production by setting and enforcing group standards and goals at a low level of productivity." Benefits and recreational programs may produce "a generally favorable attitude toward the company, but not neces-

sarily a higher rate of productivity." Satisfaction with working conditions may make the worker happier. "Basically, the gratifications derived from a routine job are not related to the content of the work itself." Moreover, motivation for good supervision and employee relations must begin at the top; management must furnish the example to be followed throughout the organization.

"Supervisory practices and group processes which are, in part at least, inconsistent with currently accepted managerial philosophy" may, in fact, encourage high productivity. Practices that bring about high productivity may also work to reduce absenteeism and produce high job satisfaction, although in particular situations morale and production are not necessarily related.

Greater group loyalty is characteristic of high producing groups. These groups are proud of their ability to turn out more work, and to produce as usual when the supervisor is not present. Individuals in the group are more willing to help each other, and are likely to have higher production goals. At the same time, there is usually less feeling of pressure.

Robert E. Schwab, personnel planning supervisor of the Detroit Edison Co., reported that employee participation in decision-making and a training program for supervisors had improved working effectiveness in his organization. The utility's program involved the following steps: (1) The training of all supervisors, from top management down, in human relations and on "democratic" supervision; (2) participation of all supervisors, and on occasion employees, in the development of company personnel policies and benefit plans; (3) submission of results of a company-wide attitude survey to supervisors and employees for consideration, comments, and recommendations; and (4) analysis of the relationship between participation in decision-making and desirable attitudes or actions on the part of supervisors and employees.

Among supervisors trained in democratic leadership, "a great many examples of the successful application of participation to the solution of problems in work groups resulted," Mr. Schwab said. These included more equitable distribution of disagreeable jobs, improved physical arrangements for offices, reduction of paper work, better care of equipment, reduction in errors, and responsibility for tools.

Supervisors, and occasionally employees, have had a hand in the development of personnel policies, including those dealing with complaint procedures, safety, a hospitalization plan, transfers and promotions, and revisions in the company retirement plan. This participation "has resulted in a better understanding of the problems involved, better acceptance, and, we think, improved administration," Mr. Schwab said.

Dr. Robert L. Kahn, program director for the Survey Research Center of the University of Michigan, said that industry should lead the way in trying new approaches in human relations research and measuring the results. He suggested three things: (1) Training programs to include "learning experience" in the company. "People must learn to live a good human relations approach." (2) Human relations programs should start with the head of the organization. "Top management must provide hearty and active support, not just lip service. It must set the example that will be followed at successive organizational levels." (3) Human relations training will not change the foreman unless the system of which he is a part is reoriented, since he is tied by expectations and personal relations to his superiors, his subordinates, and his colleagues.

### Dynamics of Current Labor Relations

Specific items singled out for attention in the discussion of recent labor relations were the long-term union agreement, collective bargaining during a downward turn of business, and the guaranteed annual wage. David L. Cole, well-known arbitrator and former head of the Federal Mediation and Conciliation Service, acted as chairman of the meeting. Principal speakers were Campbell A. Elliot, Director of Industrial Relations, Minneapolis-Moline Co., and John J. Dillon, New York Regional Education Director for the United Automobile Workers, CIO, who were in opposition on most of the points discussed.

Mr. Elliot declared that long-term agreements (which he defined as contracts running for 2 years or more without formal reopening provisions) have not lived up to expectations, nor have they removed the possibility of strikes. In many instances, he said, employee-employer relations have deteriorated under long-term agreements, partly because of "the unwillingness on the part of some

employers to voluntarily make changes urged and, more bluntly, demanded by some unions because they are not satisfied with [various aspects] of the agreement . . . I have even heard of employers who have taken the naive position that a 'living document' is a document to be lived with and lived by and not one that, as has been suggested by many unions, should have major surgery performed on it periodically to keep it alive."

Mr. Dillon, on the other hand, expressed the belief that long-term collective bargaining agreements are possible and practical "only to the extent that both management and labor consider such agreements as living documents" and work out problems that the parties could not anticipate at the time the agreements were negotiated. To regard long-term contracts as legalistic, static documents, which fail to deal with practical problems as they arise, Mr. Dillon concluded, is to make them unworkable and unacceptable.

In a question period following the discussion, the "living document" concept of the long-term contract, as advanced by the UAW-CIO, was rejected by several of those in attendance as incompatible with the basic theory under which such contracts were drawn. Cost-of-living escalation was also attacked because of the unwillingness of unions or workers to accept wage cuts when prices fall. Mr. Dillon admitted that, while wage cuts were not liked, they might be necessary.

Another phase of the long-term contract which came under scrutiny was the provision for productivity increases. Two points were stressed particularly: (1) Unions and workers in some industries have attempted to limit output at times when it appeared that technological developments would cause layoffs; and (2) productivity, as ordinarily measured, declines during depression periods as output falls off and machines are not used to their greatest capacity. Mr. Dillon pointed out that productivity increase is based on technological change and the growth of the economy and that it represents the worker's share in the gains brought about by improved methods and machinery, rather than being dependent upon his individual effort.

Contrary points of view were also expressed on the direction collective bargaining should take in the event of a downturn in business. Mr. Elliot believed that purchasing power should be increased "not by increasing production costs through wage

increases and the like, but by decreasing prices, with the decreases to be the result of (1) management's willingness to operate at the minimum fair rate of return on investment and (2) labor's willingness to work for a fair wage and, in return for a fair wage, to perform a fair day's work." He also declared that management should "resist adding to both direct and indirect labor costs through collective bargaining." However, he added, "direct wage reductions should be the last thing to think about . . . I recommend that first consideration be given to correcting those intangible conditions which many times contribute more to operating costs than those items which can be accurately measured."

Mr. Elliot's "intangibles," as he called them, included certain seniority, jurisdictional, piecework, and work-sharing provisions, and restrictions on technological changes. In addition, he indicated that fringe benefits, such as holiday and vacation pay, premium pay for undesirable or longer-than-normal work schedules, and group insurance plans of some types might be the subject of close scrutiny during bargaining.

Mr. Dillon declared that "American labor rejects the defeatist attitude of the inevitability of depression." This country has the technical skill and economic resources to provide full and continuous employment for all those able and willing to work, he said, and we must create full employment and full production, "making the good things of life so necessary to satisfy the unlimited peacetime demands of people." To maintain full employment in the event industry fails to do so, public works such as the building of schools, hospitals, health centers, highways and parking facilities, or river, seaway, and power projects, might be undertaken.

Full production can be maintained, according to Mr. Dillon, if the American people—worker, farmer, and white-collar groups—are provided with purchasing power adequate to balance productive power. "The way to solve the problem is through joint planning now."

He cited the guaranteed annual wage as the next goal for organized labor. As he envisioned it, it would assure 12 months of employment for most workers and provide an additional cushion for those thrown out of work. In addition, he believed that it would prevent plant moves, to the

South, for example, to escape unionization. Mr. Dillon anticipated negotiations for the guaranteed annual wage by the United Steelworkers (CIO) in 1954 and by the United Automobile Workers after their 1955 convention.

Mr. Elliot declared that he did not have a good definition for the guaranteed annual wage and therefore was unwilling to discuss it. He did, however, raise the question of whether it was possible to give a wage guarantee without guarantees of markets and profits.

The question as to whether organic unity between the two major labor federations would have any effect on collective bargaining procedures brought comment from the chairman as well as from both panel members. Mr. Cole expressed the belief that any move narrowing union rivalries would help bargaining. Mr. Elliot thought that competition was healthy and that unity might be detrimental to achieving satisfactory results in bargaining. Mr. Dillon disagreed with this; he said it was his opinion that union competition of the type Mr. Elliot envisioned could only lead to wage cutting.

On the subject of Taft-Hartley Act changes, Mr. Elliot said that the law should be kept but taken out of politics, while Mr. Dillon said the law was being used to hurt unions and should be changed, eventually at least, if not at once. The fact that the law might be good or bad for unions, depending upon its administration and interpretation, was agreed upon.

Mr. Cole called for "an enlightened and rational approach to the affairs of labor relations," and urged labor to avoid a "defiant, chip-on-the-shoulder attitude." Industry, he said, should "listen to its more conciliatory and moderate leadership and recognize that human progress is not made in pendulumlike swings. . . . This is not the time, if there ever is a time, for industry to thump its chest in triumph. What could be the reaction other than a deepening of the feeling of hostility and discouragement the possibilities of the conference table?"

Both labor and management representatives agreed that joint solution of problems without outside intervention, particularly government intervention, was desirable. There is little possibility of eliminating government intervention in labor disputes, Mr. Cole believes, but such intervention

should not be guided by partisan or political considerations, and should be "used sparingly and never until it is clear . . . that the continuation of a shutdown will truly impair the national health and safety. It should never be lent to either party for the purpose of providing a form of strategic advantage." He also expressed the opinion that worker security would be a principal objective of bargaining, rather than direct wage gains.

—THEODORE W. REEDY

Division of Wages and Industrial Relations

## Earnings in Power Laundries in Mid-1953

AVERAGE WEEKLY EARNINGS (including commissions) for retail routemen in power laundries ranged from \$60.50 (Dallas) to \$115 (Detroit) among the 33 areas surveyed by the Bureau of Labor Statistics during the midmonths of 1953.<sup>1</sup> (See table 1.) The averages were higher than a year before in most of the 27 areas for which comparisons could be made, usually by amounts ranging from \$3 to \$8 a week.<sup>2</sup>

In all cities surveyed, production-worker earnings were also higher than in June 1952. The largest increases, affecting all or most of the jobs studied, were recorded for Buffalo, Cincinnati, Houston, Louisville, Minneapolis-St. Paul, Philadelphia, and St. Louis. A few decreases were found; these were scattered among several jobs and areas and usually averaged less than 4 percent. As in the preceding year, the highest-paid power laundry workers were found in the West Coast cities (Portland, Los Angeles, and the San Francisco Bay area) and in Milwaukee, Minneapolis-St. Paul, Chicago, Detroit, and New York.

Men comprised about a third of all laundry workers, including routemen, in the areas studied. The proportion varied, however, by area, ranging

from a sixth of the plant (nonoffice) labor force in Birmingham and Montgomery to two-fifths in New York. Average hourly earnings for extractor operators, the lowest-paid men's job studied, ranged from 65 cents in Montgomery (Ala.) to \$1.48 in the San Francisco Bay area (table 2). Averages for this job amounted to less than 90 cents in all Southern areas studied and exceeded \$1.25 in only 3 of the 33 areas. A somewhat higher level of earnings prevailed for stationary-boiler firemen and machine washers. Except for a few areas, all in the South, these workers generally received 90 cents or more an hour, with averages of \$1.25 or more an hour noted for almost half of the cities surveyed.

More than two-fifths of the women production workers were employed as machine flatwork

TABLE 1.—Retail routemen in power laundries: Straight-time average weekly earnings,<sup>1</sup> 33 selected areas, 1953

Area	All routemen	Routemen having scheduled workweek of—		
		5 days	5½ days	6 days
Atlanta, Ga.	\$67.00	(?)	(?)	(?)
Baltimore, Md.	75.00	\$78.00	\$74.00	\$74.50
Birmingham, Ala.	72.50	(?)	(?)	72.50
Boston, Mass.	75.00	60.50	79.50	83.50
Buffalo, N. Y.	101.00	78.50	105.00	103.50
Chicago, Ill.	105.00	(?)	106.50	105.00
Cincinnati, Ohio	81.50	81.50	(?)	(?)
Cleveland, Ohio	92.50	98.00	76.50	92.50
Columbia, S. C.	68.00	-----	(?)	(?)
Dallas, Tex.	60.50	(?)	58.50	66.50
Denver, Colo.	80.00	(?)	(?)	80.00
Detroit, Mich.	115.00	115.00	(?)	(?)
Houston, Tex.	70.50	(?)	(?)	70.50
Jackson, Miss.	81.00	(?)	(?)	-----
Little Rock-North Little Rock, Ark.	70.50	-----	(?)	(?)
Los Angeles, Calif.	89.00	88.00	94.00	(?)
Louisville, Ky.	87.00	(?)	91.00	85.00
Macon, Ga.	64.50	-----	-----	64.50
Memphis, Tenn.	70.00	(?)	73.50	61.50
Milwaukee, Wis.	103.00	(?)	93.50	121.00
Minneapolis-St. Paul, Minn.	79.00	79.00	(?)	(?)
Montgomery, Ala.	64.00	(?)	(?)	(?)
Newark-Jersey City, N. J.	81.50	82.00	(?)	(?)
New York, N. Y.	85.00	84.50	78.50	124.00
Philadelphia, Pa.	97.00	97.00	(?)	(?)
Pittsburgh, Pa.	86.50	87.50	85.00	77.50
Portland, Ore.	91.50	(?)	91.50	(?)
Providence, R. I.	71.50	72.50	58.50	(?)
Richmond, Va.	72.00	(?)	(?)	(?)
Roanoke, Va.	84.50	86.00	93.00	(?)
St. Louis, Mo.	92.00	101.00	72.00	84.50
San Francisco-Oakland, Calif.	88.50	88.50	(?)	(?)
Washington, D. C.	74.50	69.00	(?)	85.50

<sup>1</sup> The study was limited to establishments with more than 20 workers. In the 33 areas, the number of employees of such laundries totaled about 90,000. Data were collected by personal visit of Bureau field representatives to two-fifths of the establishments in this group, with a total of 53,000 employees.

<sup>2</sup> See Earnings in Power Laundries in June 1952, Monthly Labor Review, November 1952 (p. 518). More detailed reports of earnings and related practices for individual areas are available on request.

<sup>1</sup> Rounded to nearest half-dollar; excludes premium pay for overtime and night work; includes commission earnings.

<sup>2</sup> Insufficient data to justify presentation of an average.



finishers or machine shirt pressers. Flatwork finishers, numerically the larger group, averaged less than 40 cents an hour in Macon (Ga.), Jackson (Miss.), Columbia (S. C.), and Montgomery (Ala.), and between 40 and 55 cents in 8 other southern areas. Workers in this job averaged 67 cents in Baltimore, 69 cents in Louisville, 72 cents in Denver, and 75 cents or more in the other 18 areas. The highest earnings found were \$1.06 in Portland (Oreg.) and \$1.10 in the San Francisco Bay area.

Although the piecework method of wage payment prevails in many laundries,<sup>3</sup> a majority of the flatwork finishers were paid on a time basis in all except a very few areas. A majority of the women shirt pressers were employed on a piecework basis in all except 4 Southern and 2 West Coast areas; averages for this job exceeded the flatwork finishers' earnings by amounts ranging from 3 to 30 cents among the areas studied. Earnings averaged slightly less than 50 cents an hour in Macon and Montgomery and \$1.10 or

slightly higher in New York, Los Angeles, and the San Francisco Bay area.

### Related Wage Practices

The predominant workweek for retail routemen was 5 days in 15 of the cities studied, 5½ days in 7 cities, and 6 days in 11 cities. Work schedules of 40 hours a week or less were maintained by laundries employing three-fourths or more of the production workers in each of the West Coast areas, Buffalo, Cincinnati, Cleveland, Detroit, New York, Philadelphia, and Washington. Although a 40-hour workweek was a common practice in many other areas as well, significant proportions of workers were also scheduled on a longer workweek.

Paid holidays for plant workers were granted by laundries employing a majority of the workers in each area except Denver, Louisville, and

<sup>3</sup> Piecework systems were not in effect for the production jobs studied in laundries in Portland (Oreg.) and the San Francisco Bay area.

TABLE 2.—Workers in selected occupations in power laundries: Straight-time average earnings,<sup>1</sup> 33 selected areas, 1953

Area	Payroll period in 1953	Men			Women						
		Extractor operators	Firemen, stationary boiler	Washers, machine	Clerks, retail receiving	Finishers, flatwork, machine	Identifiers	Markers	Pressers, machine, shirts	Wrappers, bundle	
Atlanta, Ga.	June	\$0.82	\$0.84	\$0.92	\$0.76	\$0.41	\$0.60	\$0.55	\$0.58	\$0.44	
Baltimore, Md.	August	.89	1.25	1.12	.77	.67	.66	.68	.75	.67	
Birmingham, Ala.	June	.68	( <sup>2</sup> )	.86	.59	.43	.63	.54	.50	.42	
Boston, Mass.	do	1.04	1.38	1.28	.96	.80	.88	.87	1.09	.85	
Buffalo, N. Y.	do	1.21	( <sup>2</sup> )	1.37	.84	.86	( <sup>2</sup> )	.93	1.07	.91	
Chicago, Ill.	May	1.19	1.59	1.36	.97	.86	1.03	.96	1.08	.90	
Cincinnati, Ohio	June	.98	1.33	1.19	.88	.78	.94	.88	.87	.82	
Cleveland, Ohio	July	1.06	1.35	1.34	.99	.75	.83	.91	1.05	.77	
Columbia, S. C.	April	.72	.93	1.02	.64	.36	( <sup>2</sup> )	.58	.62	( <sup>2</sup> )	
Dallas, Tex.	July	.85	( <sup>2</sup> )	1.11	.86	.50	.62	.75	.63	.58	
Denver, Colo.	June	1.01	1.19	1.18	.88	.72	.89	.83	.88	.77	
Detroit, Mich.	do	1.19	1.60	1.57	1.05	.86	.87	.92	1.05	.89	
Houston, Tex.	July	.85	( <sup>2</sup> )	1.11	.77	.47	.68	.65	.66	.61	
Jackson, Miss.	April	.78	( <sup>2</sup> )	.89	.81	.32	.62	.67	.51	.48	
Little Rock-North Little Rock, Ark.	do	.69	1.10	.91	.62	.47	.57	.57	.53	.51	
Los Angeles, Calif.	May	1.20	( <sup>2</sup> )	1.37	1.15	.93	( <sup>2</sup> )	1.09	1.11	1.00	
Louisville, Ky.	June	.96	1.36	1.24	.74	.69	.76	.80	.91	.72	
Macon, Ga.	April	( <sup>2</sup> )	( <sup>2</sup> )	.87	.50	.29	( <sup>2</sup> )	.44	.47	.43	
Memphis, Tenn.	June	.70	( <sup>2</sup> )	.87	.70	.46	.55	.55	.56	.46	
Milwaukee, Wis.	July	1.30	( <sup>2</sup> )	1.49	.99	.94	.96	1.01	.98	.93	
Minneapolis-St. Paul, Minn.	do	1.13	1.40	1.35	.96	.92	.94	.95	.98	.94	
Montgomery, Ala.	April	.65	( <sup>2</sup> )	.72	.68	.36	.51	.54	.48	.41	
Newark-Jersey City, N. J.	June	1.02	1.39	1.20	1.02	.87	.92	1.02	1.04	.88	
New York, N. Y.	do	1.18	1.39	1.42	.89	.91	1.02	1.03	1.10	.99	
Philadelphia, Pa.	do	1.06	1.34	1.29	.96	.78	.86	.92	.93	.84	
Pittsburgh, Pa.	do	1.10	1.47	1.38	.83	.80	.88	.90	.90	.83	
Portland, Oreg.	do	1.45	( <sup>2</sup> )	1.57	1.23	1.06	1.09	1.11	1.09	1.07	
Providence, R. I.	do	1.04	1.27	1.22	.78	.78	.83	.98	1.07	.89	
Richmond, Va.	do	.79	.93	.86	.66	.47	.62	.52	.69	.45	
Roanoke, Va.	April	.81	.89	1.05	.73	.54	( <sup>2</sup> )	.55	.63	.53	
St. Louis, Mo.	June	.99	1.12	1.16	.87	.78	.80	.86	.93	.83	
San Francisco-Oakland, Calif.	May	1.48	( <sup>2</sup> )	1.57	1.28	1.10	1.29	1.28	1.19	1.23	
Washington, D. C.	August	.92	1.04	1.05	.95	.80	.90	.83	.85	.83	

<sup>1</sup> Excludes premium pay for overtime and nightwork.

<sup>2</sup> Insufficient data to warrant presentation of an average.

Roanoke. Newark-Jersey City laundries generally provided 7 paid holidays annually and 6 days were granted to the great majority of the laundry workers in Buffalo, Detroit, Los Angeles, Minneapolis-St. Paul, New York City, Philadelphia, Portland, St. Louis, San Francisco, and Washington. Most workers in southern laundries received from 3 to 5 paid holidays.

Paid vacations after a year's service, typically with 1 week's pay,<sup>4</sup> were received by a majority of workers in all areas except Columbia and Montgomery; in 26 of the 33 areas, three-fourths or more of the workers were covered by such a policy. Two-week paid vacations,<sup>5</sup> after 5 years' service, was the policy of laundries employing 90 percent or more of the workers in 13 areas and 60 percent in 2 areas. In the remaining areas, the practice for 5-year workers was much less liberal.

Coverage of laundry workers under insurance or pension plans, paid wholly or in part by the employers, varied widely. Over half of the production workers in laundries were covered by life insurance in 18 cities; by sickness and accident insurance in 12 cities; by hospitalization provisions in 15 cities; by surgical insurance in 14 cities; and by medical insurance in 12 cities. Pension benefits exceeding those provided under social security were available to an appreciable degree in only 8 areas; in only 2 areas, Detroit and New York, were they applicable to as many as 50 percent of the production workers.

—OTTO HOLLBERG

Division of Wages and Industrial Relations

<sup>4</sup> Or its equivalent, 2 percent of annual earnings.

<sup>5</sup> Or an equivalent 4 percent of annual earnings.

## Wage Trends in Machinery Manufacture, 1951-53

STRAIGHT-TIME HOURLY EARNINGS of production workers in machinery establishments in 29 major centers of the industry rose an average of 12.1 percent between January 1951 and January 1953, because of changes in wage rates or in incentive earnings.<sup>1</sup> Almost half of all machinery workers were employed in these areas in January 1953.

Wage controls were in effect during the entire period from late January 1951 through January 1953. The annual rate of increase in straight-time

average hourly earnings for all machinery workers was smaller during this period than for the entire period 1945-53.<sup>2</sup> Between January 1945 and January 1953 straight-time average hourly earnings for machinery workers rose 74.4 percent or at an annual rate of 7.2 percent. During 1951 and 1952 the annual rate of increase averaged 5.9 percent.

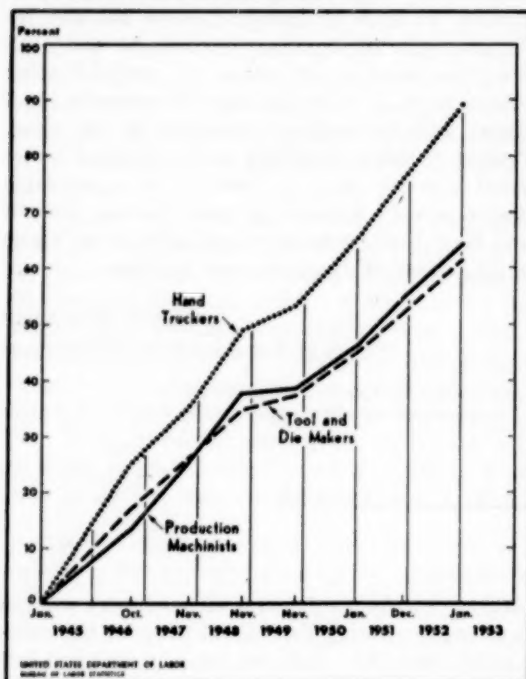
Period-to-period increase—	Percent
January 1945 to October 1946.....	19.5
October 1946 to November 1947.....	9.7
November 1947 to November 1948.....	8.8
November 1948 to November 1949.....	1.5
November 1949 to January 1951.....	7.5
January 1951 to December 1951.....	5.4
December 1951 to January 1953.....	6.4
Annual rate of increase—	
January 1945 to January 1953.....	7.2
January 1951 to January 1953.....	5.9

The increase in earnings during 1951 and 1952 was divided almost evenly between the two years. Between December 1951 and January 1953 straight-time earnings advanced an average of 6.4 percent and in the preceding 11 months, the average gain was 5.4 percent (see table).

<sup>1</sup> The percentage increase does not reflect the effect on earnings of any changes in the occupational composition of the machinery labor force during this period, of shifts in employment among wage areas, or of changes in premium pay for overtime and night work. It is affected not only by general wage changes, merit increases in pay, or changes in incentive earnings within a plant, but also by any shifts in employment among plants within an area and by any changes in the ratio of time and incentive workers in a job. The methods used in constructing the indexes on which this article is based are described in *Wage Trends in Machinery Manufacturing, 1945-51*, Monthly Labor Review, January 1952 (p. 48).

<sup>2</sup> In most of the communities studied, at least three-fifths of the entire increase in machinery earnings since 1945 occurred in the first 4 years following World War II.

Percent Increases in Straight-Time Average Hourly Earnings, Jan. 1945 to Specified Dates, 3 Occupations in Machinery Manufacture



### Changes by City

The extent to which average hourly earnings of machinery workers rose varied considerably from one area to another—from 7.2 percent in Pittsburgh to 16.4 percent in Buffalo—over the January 1951 to January 1953 period. The differences were due, in part, to time lags in the effective date of wage increases. Although Pittsburgh showed the smallest change in the 2-year period, it had the largest increase in the immediately preceding year—13.3 percent. This reflected the basic steel settlement of December 1, 1950. On the other hand, Buffalo, with the highest gain (16.4 percent) in the 1951-53 period, showed an increase close to the average for all cities in 1950. Over the 3-year period November 1949 to January 1953, straight-time earnings rose 25 percent in Buffalo and 21 percent in Pittsburgh.

Over the entire period, increases in straight-time average hourly earnings varied from about

55 percent in Seattle to about 90 percent in Milwaukee. The other two West Coast areas, like Seattle, showed lower-than-average increases, partly because of the relatively high level of earnings in 1945 in these areas and the consequent smaller percentage changes resulting from a given cents increase.

By January 1953, Milwaukee ranked as one of the highest-wage areas studied. In that city, the greatest change (in terms of both cents and percent) occurred immediately following World War II when earnings increased more percentage-wise than in any city except Syracuse. Since then, the pattern of increase for Milwaukee has followed the overall average change for all areas combined.

The increases in earnings in 1952 as compared with 1951 differed more in individual cities than in all cities combined. Only in Providence were gains the same in both years (4.3 percent); the difference in St. Louis, Cleveland, Minneapolis, and Houston was small. The greatest disparity was evident in both San Francisco and Seattle where wages advanced 9.5 and 11.4 percent, respectively, in the first year compared to 3.0 and 3.9 percent in the second. In these two cities, most of the increases in rates between December 1951 and January 1953 resulted from automatic cost-of-living raises, but in 1951, there were general wage increases in addition to such cost-of-living adjustments. In these West Coast cities, bargaining for metal trades workers in a given area is conducted on essentially an industrywide basis, and incentive systems of payment are rare. Consequently, the effect of a wage adjustment is evident at a specific point of time, rather than being spread over a longer period as in areas where companies bargain individually; wages in these West Coast areas are also unaffected by fluctuations characteristic of piecework production.

### Occupational Differences

A common practice in the immediate post-war years was to grant uniform cents-per-hour general wage increases to all workers, regardless of skill level, which resulted in higher percentage increases for the unskilled than for the skilled workers. For example, hourly wages for hand truckers (laborers, material handling) rose by 89

Indexes of straight-time average hourly earnings in machinery manufacture, selected cities and occupations, January 1951-January 1953, and percent increases, January 1945-January 1953

Item	Indexes (1947-49=100)			Percent increases from—			
	Jan. 1951 <sup>1</sup>	Dec. 1951 <sup>2</sup>	Jan. 1953 <sup>3</sup>	Jan. 1945 to Jan. 1953	Nov. 1949 to Jan. 1951	Jan. 1951 to Dec. 1951	Dec. 1951 to Jan. 1953
<i>City</i>							
All cities combined <sup>4</sup>	111.6	117.6	125.1	74.4	7.5	5.4	6.4
Baltimore	109.0	111.8	119.1	64.7	6.6	2.3	6.6
Boston	111.4	115.4	122.5	76.0	4.3	3.6	6.2
Buffalo	110.1	117.2	126.2	69.0	7.4	6.5	9.4
Chicago	112.9	117.4	125.7	80.0	9.7	4.0	7.1
Cincinnati	112.1	114.5	123.8	76.1	8.5	2.1	8.1
Cleveland	110.0	115.6	121.7	66.6	7.8	5.1	5.2
Dallas	112.1	115.6	122.3	58.0	7.0	3.1	5.8
Denver	113.1	119.1	131.5	80.9	6.5	5.4	10.4
Detroit	110.7	117.6	123.3	58.6	7.6	6.2	4.8
Hartford	110.8	116.2	125.8	76.0	8.4	4.9	8.2
Houston	110.7	115.9	122.2	65.3	6.3	4.8	5.5
Indianapolis	108.8	113.9	124.7	76.1	6.3	4.7	9.5
Los Angeles	110.4	115.6	124.6	62.0	7.4	4.7	7.8
Milwaukee	111.0	120.5	129.1	90.3	8.2	8.5	7.1
Minneapolis-St. Paul	111.2	117.9	126.0	75.8	5.0	6.1	6.8
Newark-Jersey City	110.2	117.8	124.6	69.5	4.8	6.9	5.7
New York City	114.3	116.0	123.2	74.2	6.8	1.4	6.2
Philadelphia	111.9	117.8	128.8	80.7	5.7	5.3	9.3
Pittsburgh	117.2	118.8	125.7	80.8	13.3	1.3	5.8
Providence	113.0	117.9	123.0	67.6	9.3	4.3	4.3
St. Louis	109.1	116.3	123.8	83.0	5.4	6.6	6.5
San Francisco	106.3	116.3	119.8	56.7	3.4	9.5	3.0
Seattle	103.6	115.4	119.8	54.9	.8	11.4	3.9
Syracuse	105.2	111.0	120.3	60.8	2.8	5.6	5.6
Tulsa	116.0	118.7	125.3	60.8	11.1	2.4	5.6
<i>Occupation</i>							
Machinists, production	109.1	115.8	122.7	64.2	5.4	6.1	6.0
Tool and die makers (other than in jobbing shops)	108.9	114.5	121.4	61.4	5.3	5.1	6.1
Truckers, hand	113.5	121.1	129.8	89.4	7.9	6.7	7.2

<sup>1</sup> Data for some cities December 1950, February or March 1951 rather than January 1951.

<sup>2</sup> Data for some cities September, October or November rather than December 1951.

<sup>3</sup> Latest data for some cities October, November, or December 1952, or February 1953 rather than January 1953.

<sup>4</sup> Includes data for 3 cities not shown separately.

percent from January 1945 to January 1953, while those for tool and die makers and production machinists advanced 61 and 64 percent, respectively.

More recently, a tendency has been noted to grant progressively larger cents-per-hour increases to workers with higher skills. The differential in straight-time earnings between hand truckers and the two more highly skilled occupations increased by about 4 cents from 1951 to 1953. Although greater cents-per-hour increases occurred for the higher paid jobs, the percentage rise in their pay was lower than for hand truckers. Tool and die makers had an increase of 11.5 percent and production machinists, 12.5 percent, compared with 14.4 percent for hand truckers.

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## Union Wage Scales in the Building Trades, 1953

HOURLY WAGE RATES of building-trades workers in cities with populations of 100,000 or more advanced an average of 5.2 percent, or 13 cents, during the year ending July 1, 1953, according to the Bureau of Labor Statistics forty-seventh annual survey of union scales in the building trades.<sup>1</sup> Average scales on July 1, 1953, were \$2.69 for all construction-trades workers, \$2.88 for journeymen, and \$1.95 for helpers and laborers.<sup>2</sup>

Five-sixths of the workers included in the study had their scales increased during the 12-month period. Increases typically varied from 5 to 20 cents an hour; a third of the workers benefiting from scale revisions received upward adjustments of 10 to 15 cents an hour.

Standard weekly hours showed practically no change during the year, averaging 39.4 hours for all building-trades workers. A 5-day, 40-hour workweek—the most common straight-time work schedule—applied to seven-eighths of the workers studied.

<sup>1</sup> Union scales are defined as the minimum wage scales or maximum schedules of hours agreed upon through collective bargaining between trade unions and employers. Rates in excess of the negotiated minimum, which may be paid for special qualifications or other reasons, are not included.

The information presented in this report was based on union scales in effect on July 1, 1953, and covered approximately 685,000 journeymen and 170,000 helpers and laborers in 52 cities with populations of 100,000 or more. Data were obtained primarily from local union officials by mail questionnaire; in some instances, Bureau representatives visited local union officials to obtain the desired information.

Mimeographed listings of union scales are available for any of the 52 cities included in the survey. A forthcoming bulletin will contain more detailed information on the industry.

The current survey differs in several important respects from previous annual surveys of wage scales in the building construction industry. First, the limited funds available for wage surveys necessitated a reduction from 77 to 52 in the number of cities to be covered. The current survey was designed to represent union wage scales in all cities of 100,000 or more population. All cities with a half million or more population were included, but some cities in the population groups of 250,000 to 500,000 and 100,000 to 250,000 were omitted. Second, weights were assigned to some of the localities surveyed in order to compensate for those which were not surveyed. This procedure differs from that in earlier surveys which covered 77 areas, and in which averages for the smaller-sized cities were not necessarily representative of average scales prevailing in that population group. Because a greater proportion of larger cities than of smaller cities was included with equal weight in past surveys, the data were disproportionately influenced by the large cities, which typically have the higher wage scales. This upward bias is removed in the current survey through a revised procedure which gives greater weight to the smaller cities studied. In order to provide appropriate representation in the combination of data, each geographic region and population group was considered separately when city weights were assigned.

<sup>2</sup> Average hourly scales, designed to show current levels, are based on all scales reported in effect on July 1, 1953, weighted by the number of union members receiving that rate. These averages are not designed for close year-to-year comparisons because of fluctuations in membership and in classifications studied.



### Trend of Union Wage Scales

The increase of 5.2 percent in union scales for building-trades workers in the year following July 1, 1952, advanced the Bureau's index of union hourly rates to 131.6 (table 1). Reflected in this increase were gains of 4.9 percent for journeymen and 6.9 percent for helpers and laborers.<sup>3</sup> The advance registered during the year was slightly less than the gain achieved in each of the two preceding 12-month periods. In each of the latter periods, increases for both journeymen and helpers and laborers averaged between 6 and 7 percent.

TABLE 1.—Indexes of union scales of hourly wages and weekly hours in the building trades, selected years 1907-53  
(Average 1947-49=100)

Date	Minimum hourly wage rates			Maximum weekly hours		
	All trades	Journey-men	Helpers and laborers	All trades	Journey-men	Helpers and laborers
1907: May 15.....	18.2	19.0	14.5	124.1	122.6	129.6
1913: May 15.....	22.5	23.5	16.9	118.0	116.8	121.5
1918: May 15.....	28.2	29.3	22.7	116.1	115.0	119.5
1919: May 15.....	32.3	33.4	26.2	115.5	114.6	118.4
1920: May 15.....	43.6	44.7	38.1	115.0	114.1	117.6
1921: May 15.....	44.4	45.6	38.4	114.9	114.0	117.6
1922: May 15.....	41.7	42.9	35.0	114.9	114.1	117.3
1926: May 15.....	55.0	56.6	45.2	114.8	114.0	117.0
1931: May 15.....	60.6	62.4	49.4	108.4	107.4	111.1
1933: May 15.....	50.3	51.9	40.3	106.1	105.1	108.1
1939: June 1.....	62.3	63.8	53.2	99.9	99.0	102.7
1940: June 1.....	63.3	64.7	54.3	99.8	99.0	102.1
1941: June 1.....	65.6	67.0	56.9	100.2	99.5	102.4
1942: July 1.....	69.7	70.8	62.5	101.0	100.8	101.5
1943: July 1.....	70.2	71.2	63.3	100.9	101.0	100.8
1944: July 1.....	70.8	71.7	64.0	101.1	101.2	100.8
1945: July 1.....	72.2	73.0	67.0	101.1	101.2	100.8
1946: July 1.....	80.5	80.9	77.9	100.1	100.1	100.1
1947: July 1.....	92.1	92.3	91.1	100.0	99.9	100.1
1948: July 1.....	101.8	101.7	102.6	100.0	100.0	100.0
1949: July 1.....	106.1	106.0	106.4	100.1	100.1	100.0
1950: July 1.....	110.7	110.5	112.2	100.2	100.2	100.0
1951: July 1.....	117.8	117.4	119.9	100.1	100.1	99.9
1952: July 1.....	125.1	124.6	127.7	100.1	100.1	100.1
1953: July 1.....	131.6	130.7	136.5	100.1	100.1	100.1

Scale changes in the building industry resulted primarily from contract negotiations. Relatively few contracts covering building-trades workers contain escalator clauses which link changes in rates to the movement of consumer prices. Although individual contracts may be negotiated and become effective at various times throughout the year, there is a general tendency for contracts to be negotiated in the spring and early summer months. Largely as a result of such labor-management agreements, scales for journeymen advanced 13 cents an hour between July 1, 1952, and July

1, 1953, compared with 16 cents in the previous 12 months; scale increases for helpers and laborers were 13 cents compared with 11 cents.

Among individual journeymen trades, average hourly increases varied from 5 cents for stone-masons to 21 cents for machinists. Gains of 12 to 16 cents an hour were registered by 15 of the 24 journeymen trades studied. Bricklayers and plumbers were the only crafts other than stone-masons to show an average increase of less than 12 cents; asbestos workers and marble setters had hourly advances of 20 and 19 cents, respectively.

Scale increases for the 9 helper and laborer classifications included in the study averaged from 9 to 14 cents an hour. Elevator constructors' and terrazzo workers' helpers showed the greatest gain and composition roofers' helpers, the smallest.

Workers benefiting from scale changes between July 1, 1952, and July 1, 1953, typically had upward adjustments of 5 to 20 cents an hour; such adjustments prevailed for nearly three-fourths of these workers. Of the journeymen whose wage scales were adjusted, 1 of every 3 gained from 10 to 15 cents an hour and 1 of every 4, from 15 to 20 cents. Of the helpers and laborers affected by scale advances, 1 of every 4 received from 5 to 10 cents an hour and 1 of every 3, from 10 to 15 cents.

### Hourly Wage Scales

Wage scales in building construction are designed, at least in part, to offset irregularity of employment and to compensate for other conditions that are usually not encountered by industrial workers of comparable skill. Hence, hourly wage scales of construction-trades workers are generally somewhat higher than those in other industries.

Union scales for all journeymen construction workers averaged \$2.88 an hour on July 1, 1953, and ranged from \$1.65 to \$3.75. Labor-management contracts stipulated hourly scales of \$2.50 to \$3 for approximately half of the journeymen

<sup>3</sup> Average cents-per-hour and percent changes from July 1, 1952, to July 1, 1953, are based on comparable quotations for the various occupational classifications in both periods weighted by the membership reported for the current survey.

The reduction in the number of cities covered and the change in the method of computation had only a minor effect on the amount of change between two consecutive periods, and virtually no effect on the index series.

studied and \$3 to \$3.20 for about a fourth. Negotiated rates of at least \$3.20 were reported for some workers in all but 2 of the 24 building trades studied. Hourly scales under \$2 were applicable to small proportions of workers in six trades.

By trade, average journeymen scales ranged from \$2.57 an hour for glaziers to \$3.28 for bricklayers. Other trades averaging \$3 or more included electricians and elevator constructors (\$3 each), lathers (\$3.14), stonemasons (\$3.19), and plasterers (\$3.21).

Although hourly rates for individual helpers and laborers ranged from 90 cents to \$3.12, nearly 3 of every 5 had scales of \$1.80 to \$2.30 an hour. Wage scales for helpers and laborers averaged \$1.95 on July 1, 1953, and varied from \$1.81 for composition roofers' helpers to \$2.27 for terrazzo workers' helpers. Except for building laborers, all other classifications had scale levels of \$1.97 or more.

### City and Regional Variations

Because collective bargaining in the building construction industry is generally conducted on a locality basis, wage scales have always varied considerably among cities, except where union jurisdiction covers broad geographic areas. Variations in local building activities and in the demand for skilled construction workers may also influence local wage rates. The extent of unionization and the general level of wages in a locality may also affect the level of scales in the building trades.

For individual journeymen crafts, rates varied widely among the cities covered in the survey. Carpenters, for example, had scales on July 1, 1953, ranging from \$2.05 in Charlotte and Richmond to \$3.40 in Newark.

Some construction workers in each of the surveyed cities benefited from scale adjustments during the 12-month period. In about half of the cities, average increases varied from 9 to 15 cents an hour for journeymen and from 7 to 16 cents for helpers and laborers.

Union scales for the 24 journeymen trades showed considerable variation within individual cities. The differential and range of rates for journeymen in 6 typical cities are as follows:

	Scale range	Differences in—	
		Cents per hour	Percent
Atlanta.....	\$1.75 - \$3.10	135	77
Boston.....	2.42½ - 3.12½	70	29
Chicago.....	2.85 - 3.57½	72½	25
Dallas.....	2.15 - 3.50	135	63
New York.....	2.83 - 3.65	82	29
San Francisco-Oakland.....	2.55 - 3.54	99	39

The difference between the high and low scales of the 9 helper and laborer classifications (representing a fifth of the workers in the industry) was smaller than that for journeymen in the above cities with the exception of New York and San Francisco-Oakland, where the differentials were 95 cents and \$1.12, respectively. In the other 4 typical cities, the differences varied from 23 cents in Boston to 73 cents in Atlanta.

Wage levels of construction-trades workers varied widely among the cities surveyed. Average scales for journeymen ranged from \$2.31 in Charlotte, N. C., to \$3.36 in Newark, N. J. About four-fifths of the cities had levels between \$2.50 and \$3. Scale levels for helpers and laborers varied from \$1 in Jacksonville, Fla., to \$2.56 in Newark, N. J. In 2 of every 3 cities, the level was \$1.80 or higher.

When the cities are grouped according to population, levels of hourly scales for journeymen and for helpers and laborers were highest in the group of largest cities and descended in accordance with population size. The difference between scale levels of journeymen and of helpers and laborers, by city-size group, varied from 86 to 92 cents.

Hourly wage levels for both major classifications of construction workers in each city-size grouping on July 1, 1953, were as follows:

Cities with population of—	Journeymen	Helpers and laborers
1,000,000 and over.....	\$3.07	\$2.21
500,000 to 1,000,000.....	2.88	2.00
250,000 to 500,000.....	2.80	1.89
100,000 to 250,000.....	2.65	1.73

Within each population group, however, city averages for journeymen and for helpers and laborers varied considerably, the spread being wider for helpers and laborers than for journeymen. The greatest differences between the highest and lowest levels were in cities having popu-

lations of 250,000 to 500,000—84 cents for journeymen and \$1.34 for helpers and laborers.

Regionally, average hourly scales of unionized building-trades workers in cities of 100,000 or more population were highest in the Middle Atlantic States (\$2.91) and lowest in the Southeast (\$2.17). The regional levels for the Middle West and the Pacific Coast nearly equaled the national level of \$2.69 and were exceeded only by those of the Middle Atlantic and Great Lakes regions (table 2).

The wage levels for journeymen varied from \$2.49 in the Southeast to \$3.16 in the Middle Atlantic region. Roofers and glaziers in the Southeast were the only journeymen trades to average below \$2.20 an hour.

Hourly rates for helpers and laborers averaged highest (\$2.17) in the Great Lakes and lowest (\$1.28) in the Southeast. The national average of \$1.95 was also exceeded by the levels for the Middle Atlantic, Middle West, and Pacific regions. Averages of \$2 or more were reported for all 9 helper and laborer classifications on the Pacific Coast and for all but 1 in the Middle Atlantic and Great Lakes regions.

### Standard Workweek

Straight-time weekly hours remained virtually unchanged during the year ending July 1, 1953. For all building-trades workers, weekly hours averaged 39.4 compared with 39.3 in the 3 previous years.

TABLE 2.—Average union scales in the building trades, by region,<sup>1</sup> July 1, 1953

Region	All trades	Journeymen	Helpers and laborers
United States.....	\$2.69	\$2.88	\$1.95
New England.....	2.48	2.70	1.88
Middle Atlantic.....	2.91	3.16	2.14
Border States.....	2.50	2.76	1.66
Southeast.....	2.17	2.49	1.28
Great Lakes.....	2.83	2.97	2.17
Middle West.....	2.67	2.83	1.99
Southwest.....	2.33	2.62	1.38
Mountain.....	2.37	2.62	1.92
Pacific.....	2.68	2.77	2.15

<sup>1</sup> The regions referred to in this study include: *New England*—Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; *Middle Atlantic*—New Jersey, New York, and Pennsylvania; *Border States*—Delaware, District of Columbia, Kentucky, Maryland, Virginia, and West Virginia; *Southeast*—Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, and Tennessee; *Great Lakes*—Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin; *Middle West*—Iowa, Kansas, Missouri, Nebraska, North Dakota, and South Dakota; *Southwest*—Arkansas, Louisiana, Oklahoma, and Texas; *Mountain*—Arizona, Colorado, Idaho, Montana, New Mexico, Utah, and Wyoming; *Pacific*—California, Nevada, Oregon, and Washington.

A 5-day, 40-hour workweek was applicable to five-sixths of the journeymen and to nine-tenths of the helpers and laborers. About 1 of every 8 journeymen and 1 of every 12 helpers and laborers were employed under contracts stipulating a 35-hour workweek. Such schedules were more common for bricklayers, lathers, painters, and bricklayers' tenders than for other crafts. Straight-time weekly work schedules of 30 hours prevailed for nearly a fifth of the plasterers and about a tenth of the plasterers' laborers.

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## Wages in Converted Paper Products in April 1953

STRAIGHT-TIME HOURLY EARNINGS averaged \$1.38 in April 1953 for production workers engaged in the manufacture of paper products from purchased paper, according to a survey made by the Bureau of Labor Statistics.<sup>1</sup> Men in the industry averaged \$1.51 and women, \$1.16. Women comprised about 40 percent of the labor force in the industry as a whole.

The industry as studied by the Bureau is comprised of establishments making a great variety of paper products<sup>2</sup> requiring many levels of skill. Because of the diversified nature of the industry, there was no great concentration of workers at any wage level. A considerable number of workers were reported in each 5-cent interval between 95 cents and \$1.55 an hour. However, 27.5 percent of the workers were above and 9.5 percent below this range (table 1). No single 5-cent interval accounted for more than 6.5 percent of the total number of workers. About a fourth of all production workers were paid on an incentive basis, which also contributed to the wide spread in earnings.

Converted paper product departments of paper mills were excluded from the study. The 1947

<sup>1</sup> The survey was limited to establishments employing 21 or more workers. The earnings data exclude premium pay for overtime and late-shift work.

<sup>2</sup> These products include bags, coated and glazed paper, envelopes, paper-board containers and boxes, pulp goods, and wallpaper.

Census of Manufactures indicates that 44 percent of the total volume was produced in such departments. Previous Bureau studies show that the workers employed in them, depending upon product and region, receive, on the average, higher pay in greater or less degree than those represented by this survey. A high proportion (42 percent) of paperboard container and box production was also manufactured in paper mills. Such integrated operations are rarer in set-up box production where only 3 percent was produced in paper mills. These proportions would probably be smaller if numbers of workers rather than quantities of materials consumed were used for computation.

The industry as studied was largely located in the Great Lakes and Middle Atlantic regions, with each region having about 30 percent of the production-worker employment. New England and the South each accounted for approximately 15 percent of the total employment; the Middle West and Far West regions each had less than 5 percent.

### Product Differentials

Workers engaged in making paperboard containers and boxes were slightly lower paid, on the average, than those employed in plants making other products from purchased paper. Hourly earnings in the container and box group averaged \$1.36, but varied considerably for the different types of containers. Set-up box plants, which employed more women than men, averaged \$1.19 (table 2). Plants making corrugated and fiberboard boxes had the highest earnings level, \$1.48, and employed the largest proportion of men.

Variations in the average hourly earnings in the several segments of the paperboard container and box industry reflected the sex and the skill composition of the labor force. In general, the higher the proportion of men, the higher the average earnings. By sex, average rates were comparable in all branches, except the set-up box group, in which there are generally more hand operations and wage rates are typically lower. Excluding the set-up box division, earnings of men in each

TABLE 1.—Converted paper products industry: Percent distribution of production workers by straight-time hourly earnings,<sup>1</sup> region, and sex, April 1953

Average hourly earnings (in cents)	United States <sup>2</sup>			New England			Middle Atlantic			South			Great Lakes		
	All workers	Men	Women	All workers	Men	Women	All workers	Men	Women	All workers	Men	Women	All workers	Men	Women
Under 75.....	( <sup>3</sup> )		( <sup>3</sup> )				( <sup>3</sup> )		0.1				( <sup>3</sup> )		( <sup>3</sup> )
75 and under 80.....	1.3	0.4	2.8	1.1	0.5	2.3	1.3	0.2	2.9	3.8	1.7	8.3	0.7	0.1	1.6
80 and under 85.....	1.7	.6	3.5	2.4	.5	5.8	1.4	.2	3.1	3.6	2.5	5.9	.9	.1	2.2
85 and under 90.....	2.9	1.4	5.3	4.4	1.6	9.4	2.3	.9	4.4	5.2	5.0	5.5	2.4	( <sup>3</sup> )	6.0
90 and under 95.....	3.6	2.0	6.1	5.3	4.6	6.6	3.0	.9	6.0	7.5	6.0	11.0	2.2	.1	5.3
95 and under 100.....	4.0	1.7	7.5	5.0	1.5	11.3	3.7	.5	8.4	8.3	7.5	9.8	2.1	.3	4.6
100 and under 105.....	4.1	2.4	6.8	5.1	3.0	8.7	4.5	1.8	8.6	6.0	6.2	5.6	2.7	1.1	5.2
105 and under 110.....	4.6	2.4	8.2	5.2	3.1	8.8	5.0	2.5	8.6	6.1	3.5	11.3	3.3	1.3	6.2
110 and under 115.....	5.1	3.3	7.9	6.4	4.8	9.1	6.0	3.7	9.4	4.6	4.5	4.6	3.5	1.5	6.7
115 and under 120.....	5.9	3.6	9.7	5.2	4.1	7.1	7.3	4.7	10.9	6.1	6.4	5.5	5.5	1.5	11.6
120 and under 125.....	6.4	5.0	8.6	7.3	7.1	7.6	7.0	6.5	7.8	6.7	5.8	8.7	4.9	2.6	8.4
125 and under 130.....	6.4	5.0	8.5	6.2	5.6	7.2	6.5	6.9	6.1	7.6	5.3	12.5	5.7	3.7	8.7
130 and under 135.....	6.5	6.0	7.0	7.1	7.8	5.8	5.9	6.5	5.1	6.3	6.6	5.9	7.1	6.0	9.1
135 and under 140.....	6.2	6.8	5.1	6.4	8.4	3.1	6.2	6.4	5.8	4.9	6.3	2.1	6.6	7.8	4.6
140 and under 145.....	5.4	6.6	3.4	6.3	8.9	2.0	5.5	7.1	3.2	2.9	3.8	1.1	6.3	7.3	4.9
145 and under 150.....	4.2	8.4	2.3	4.0	5.3	1.8	4.8	6.2	2.7	3.5	4.9	.6	4.1	5.3	2.4
150 and under 155.....	4.2	5.8	1.8	3.1	4.2	1.1	4.6	6.5	2.0	2.4	3.5	.2	5.2	7.4	1.9
155 and under 160.....	3.5	5.0	1.1	3.0	4.2	.8	3.5	5.2	1.1	2.5	3.5	.4	3.8	5.4	1.5
160 and under 165.....	3.0	4.3	.7	3.1	4.6	.3	2.8	4.3	.6	2.0	2.8	.3	3.3	4.5	1.4
165 and under 170.....	2.7	3.8	1.0	2.1	3.0	.4	2.4	3.5	.8	1.8	2.5	.3	3.4	4.4	1.8
170 and under 175.....	2.7	3.8	.9	2.1	3.1	.4	2.1	3.1	.6	1.6	2.3	.2	3.6	4.7	2.0
175 and under 180.....	2.4	3.5	.6	1.8	2.7	.2	1.6	2.6	.3	1.1	1.5	( <sup>3</sup> )	3.6	5.0	1.5
180 and under 185.....	2.1	3.3	.3	1.3	2.0	.1	2.1	3.3	.2	.8	1.2	.1	2.7	4.1	.5
185 and under 190.....	1.9	2.9	.4	1.1	1.7	.1	2.0	3.1	.3	.8	1.1	( <sup>3</sup> )	2.9	4.2	.9
190 and under 195.....	1.6	2.5	.2	1.0	1.6	( <sup>3</sup> )	1.3	2.0	.3	1.1	1.6	.1	2.2	3.5	.3
195 and under 200.....	1.3	2.1	.1	.6	.8	( <sup>3</sup> )	1.1	1.7	.2	1.0	1.5		1.9	3.1	.2
200 and over.....	6.3	10.4	.2	3.4	5.3	( <sup>3</sup> )	6.1	9.7	.5	1.7	2.5	( <sup>3</sup> )	9.4	15.0	.5
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	180,268	114,279	71,989	25,350	16,194	9,156	58,321	34,686	23,635	27,463	18,538	8,925	58,113	34,925	23,188
Average hourly earnings.....	\$1.38	\$1.51	\$1.16	\$1.30	\$1.41	\$1.10	\$1.36	\$1.51	\$1.15	\$1.21	\$1.28	\$1.07	\$1.47	\$1.64	\$1.22

<sup>1</sup> Excludes premium pay for overtime and nightwork.

<sup>2</sup> Includes data for regions not shown separately.

<sup>3</sup> Less than 0.05 percent.



branch averaged about \$1.50; earnings of women varied more, ranging from \$1.18 to \$1.27 (table 2). Earnings in set-up plants averaged \$1.37 for men and \$1.09 for women. As a rule, the average for women in each branch of the paperboard container and box industry was about 75 to 80 percent of the men's average in the same branch.

### Regional and Plant-Size Differences

In the two leading regions<sup>a</sup>—the Great Lakes and Middle Atlantic—earnings for all workers averaged \$1.47 and \$1.36, respectively, in all types of converted paper products establishments combined (table 1). These two regions were equally important in terms of employment in each branch of the industry. In the Great Lakes region, where almost 23 percent of the workers earned \$1.75 or more, a markedly higher proportion of workers were at the upper end of the earnings distribution than in the Middle Atlantic area. Earnings in the South averaged \$1.21 and in New England, \$1.30.<sup>4</sup>

Nationwide wage-level relationships in the industry were also found to prevail regionally. Average earnings in container and box plants in each region were slightly lower than those in other branches of the industry; among containers and boxes, the set-up box plants recorded the lowest averages. The ratio of women's to men's pay in the several regions was found, in general, to be similar to that previously noted.

The average plant included in the survey employed about 125 workers. Earnings in the larger establishments (over 250 workers) averaged about

<sup>a</sup> The regions used in this study include: *New England*—Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; *Middle Atlantic*—New Jersey, New York, and Pennsylvania; *South*—Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; *Great Lakes*—Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin; *Middle West*—Iowa, Kansas, Missouri, Nebraska, North Dakota, and South Dakota; *Far West*—Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>4</sup> Data for the Middle West and Far West regions were not adequate to justify presentation of specific information. Wage rates reported for the Middle West were about comparable with the Middle Atlantic region. Average earnings for the Far West were higher than in any other region.

TABLE 2.—Paperboard container and box establishments: Percent distribution of production workers by straight-time hourly earnings,<sup>1</sup> industry branch, and sex, April 1953

Average hourly earnings (in cents)	Folding paper boxes			Set-up boxes			Corrugated and fiberboard boxes			Other boxes, fiber cans, tubes, drums, and similar products		
	All workers	Men	Women	All workers	Men	Women	All workers	Men	Women	All workers	Men	Women
Under 75				0.1		0.1						
75 and under 80	1.1	0.7	2.5	3.3	2.4	3.9	.3		1.5			
80 and under 85	1.3	.7	3.1	4.7	3.2	5.5	.7		3.4	1.0		2.7
85 and under 90	3.1	2.3	5.7	7.4	3.9	9.5	1.0	.8	1.6	4.0	1.2	8.6
90 and under 95	2.8	2.5	3.7	7.6	4.3	9.9	1.5	.8	4.0	2.9	.9	6.3
95 and under 100	3.2	1.4	8.6	7.2	6.5	7.5	2.7	1.7	6.5	2.5	.3	6.2
100 and under 105	3.5	5.0	4.9	6.3	4.7	7.2	1.8	1.4	3.3	4.6	1.6	9.6
105 and under 110	4.3	2.3	10.6	7.4	3.7	9.6	1.1	.5	3.1	4.7	2.1	9.1
110 and under 115	3.8	2.8	7.1	9.6	5.7	12.1	2.1	1.7	3.5	5.4	4.8	6.3
115 and under 120	3.4	2.5	6.2	5.6	4.7	6.2	4.3	3.3	8.3	8.6	7.7	10.0
120 and under 125	6.4	6.1	6.9	5.4	4.6	5.9	5.2	4.3	8.6	7.8	7.7	8.1
125 and under 130	5.5	3.5	11.2	5.0	3.8	5.8	6.1	5.0	10.0	8.2	9.9	5.3
130 and under 135	7.5	6.2	11.1	4.9	4.2	5.4	6.9	5.3	12.8	5.0	3.8	6.9
135 and under 140	4.7	4.9	4.0	4.6	4.4	4.7	7.8	7.9	6.9	4.2	5.2	2.6
140 and under 145	7.5	8.5	4.3	3.2	5.4	1.9	9.7	9.3	10.9	3.4	3.7	3.1
145 and under 150	4.4	5.2	2.1	2.7	4.0	1.9	6.8	7.8	3.2	4.5	4.6	4.2
150 and under 155	4.7	5.6	2.1	2.1	2.9	1.6	6.7	7.8	2.5	4.4	4.3	4.6
155 and under 160	5.3	6.5	1.8	1.9	4.3	.5	5.6	6.6	2.1	3.6	5.1	1.2
160 and under 165	3.4	4.5	.3	1.5	3.6	.2	3.8	4.5	1.1	4.4	6.8	.4
165 and under 170	3.2	3.8	1.4	1.1	2.5	.3	3.4	4.1	1.1	3.0	4.3	.7
170 and under 175	3.8	4.9	.5	.8	1.9	.1	3.7	4.3	1.2	1.9	2.7	.7
175 and under 180	2.3	3.0	.3	.8	2.0	.1	3.7	4.4	1.2	1.9	2.8	.4
180 and under 185	2.5	3.2	.2	1.5	4.0	( <sup>2</sup> )	2.7	3.2	.9	2.3	3.4	.5
185 and under 190	1.6	2.0	.2	.8	2.0	( <sup>2</sup> )	2.5	3.2	.2	1.8	2.6	.6
190 and under 195	1.6	2.1		.6	1.5		2.0	2.3	.7	1.6	2.1	.6
195 and under 200	1.0	1.2	.3	.6	1.4	.1	1.6	1.9	.4	2.1	3.3	.1
200 and over	8.1	10.6	.9	3.3	8.4	( <sup>2</sup> )	6.3	7.9	1.0	6.2	9.1	1.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers	23,320	17,494	5,826	30,512	11,422	19,090	30,656	24,142	6,514	14,331	8,955	5,376
Average hourly earnings	\$1.42	\$1.50	\$1.18	\$1.19	\$1.37	\$1.09	\$1.48	\$1.53	\$1.27	\$1.38	\$1.50	\$1.18

<sup>1</sup> Excludes premium pay for overtime and nightwork.

<sup>2</sup> Less than 0.05 percent.

10 percent higher than in the smaller establishments. The size differential was most marked in the New England region (20 percent) and smallest in the Great Lakes and Middle Atlantic regions (5 percent). The main differences in the wage structure between the larger and smaller establishments appear to be in the proportion of workers earning under \$1 an hour. The proportion earning under \$1 an hour in larger plants was about a third of that in smaller plants—6.6 percent compared with 18.4 percent; but the proportion earning over \$2 in larger plants was only slightly higher than that in smaller plants—7.2 percent compared with 6 percent.

#### Minimum Rates

With the exception of the South, relatively few workers were reported at the 75-cent minimum wage level established under the Fair Labor

Standards Act. Almost a tenth of the women in the South earned about 75 cents. However, about an eighth of the workers in the industry, including a fourth of the women, had earnings under \$1 an hour.

Starting rates for unskilled workers were 75 cents or less in plants employing slightly more than a tenth of the production workers in the industry. In many of these plants, however, a higher rate was paid after a learning or probationary period. About 45 percent of the workers were in plants with entrance rates of \$1 or more.

Starting-rate policies varied widely within each region. A substantial number of workers were employed in plants which had starting rates falling within each 5-cent step between 75 cents and \$1.25. Minimum job rates after a learning or probationary period showed even greater variation.

—JAMES F. WALKER

Division of Wages and Industrial Relations

# Recent Decisions of Interest to Labor<sup>1</sup>

## Labor Relations

**National Emergency.** The emergency strike provisions of the Labor Management Relations (Taft-Hartley) Act were invoked to prevent a prolonged tie-up of the Nation's maritime industry. This action followed the report of the Board of Inquiry appointed by the President to investigate the longshoremen dispute. A Federal district court held<sup>2</sup> that the United States was entitled, under the act, to an injunction restraining the longshoremen's unions and employers from taking part in a strike or lockout in the maritime industry in Atlantic ports from Maine to Virginia. The court found that continuation of such a strike would imperil the national health and safety.

As finally determined, the court order applies to both the independent longshoremen's union—which was recently ousted from the American Federation of Labor—and the newly formed AFL union, and bars a strike until Christmas Day. Although the new AFL union was not engaging in any strike, it was included in the order because its rival representation claim made it a participant in the dispute. "Under the circumstances," the court stated, "any injunction to prevent effectively the imperiling of the national welfare during the 80-day period must encompass both unions if it is not to lose its vigor by being tossed between the two." Concerted action by any of the parties to the dispute, the court noted, might "reactivate the strike" or otherwise stop or interfere with the continued operations of the industry so as again to imperil the national health and safety.

**Refusal To Reinstate.** A court of appeals refused<sup>3</sup> to enforce a National Labor Relations Board order requiring the reinstatement of five employees who had not been reemployed following a temporary plant shutdown—allegedly because of their membership in and participation in the work of a union

committee. The court found, however, that two of the employees, by their conduct just prior to the shutdown, had interfered with production, in breach of the collective-bargaining contract, and so placed themselves in the category of non-employees. As a result, the company was under no statutory duty to reinstate these two after the plant reopened.

Reversed also was the Board's finding that the employer's failure to reemploy the other three employees was due to their union membership or activities, or for the purpose of discouraging membership in the union. The court found, instead, that their jobs had been abolished or combined with others to cut costs, amounting to economic action on the part of the employer with which the Board might not interfere.

**Union's Certification Revoked.** The NLRB revoked<sup>4</sup> the certification of a local union, one of whose officers had been convicted of having falsely denied Communist Party affiliations. The union failed to show sufficient cause why it should not be held in noncompliance with section 9(h) of the LMRA as of the time the certification was issued. The Board, therefore, canceled the certification in the interest of protecting its processes from further abuse.

A Federal district court had convicted the local's officer of having falsely stated to agents of the Federal Bureau of Investigation that he had never been a member of the Communist Party and had never knowingly attended a Communist meeting.

Subsequently, the Board adopted<sup>5</sup> a new policy in representation cases involving unions which had officers under indictment for filing false non-Communist affidavits. The Board, in an effort to avoid "irreparable consequences,"

<sup>1</sup> Prepared in the U. S. Department of Labor, Office of the Solicitor.

The cases covered in this article represent a selection of the significant decisions believed to be of special interest. No attempt has been made to reflect all recent judicial and administrative developments in the field of labor law or to indicate the effect of particular decisions in jurisdictions in which contrary results may be reached, based upon local statutory provisions, the existence of local precedents, or a different approach by the courts to the issue presented.

<sup>2</sup> *United States v. Longshoremen's Association, et al.* (D. C. S. N. Y., Oct. 5, 20, and 23, 1953).

<sup>3</sup> *NLRB v. National Die Casting Co.* (C. A. 7, Oct. 9, 1953).

<sup>4</sup> *In re Compliance Status of International Fur & Leather Workers Union, Local #14* (106 NLRB No. 223, Oct. 13, 1953).

<sup>5</sup> National Labor Relations Board, Statement of Policy, Oct. 23, 1953, (Federal Register, Nov. 11, 1953, pp. 7185-7186).

determined to "hold in abeyance," pending disposition of the indictment, action which would accord "final and official" status to such labor organizations.

**Unlawful Interference.** (1) The NLRB, in setting aside a representation election and ordering a new vote, held <sup>6</sup> that an employer had interfered with the first election by a pre-election speech to his employees on company time and company property, which contained implied threats of economic reprisals if the union should win. The employer had in his remarks stated that loss of the worker's personal identity as an employee would result from union organization. A layoff in a neighboring plant after union organization was described by the employer as "a concrete illustration of the change in loyalty of management" resulting from the advent of a union.

(2) A court of appeals enforced an NLRB order as to a company's unlawful interference with the organizational rights of its employees.<sup>7</sup> An offer of a wage increase if the union lost a representation election, made by the employer the night before the election, was not protected, the court held, by the free-speech provisions of section 8(c) of the Labor Management Relations Act. The election, in which the union was defeated, was set aside by the NLRB. Prior to the second election, however, the employer again attempted to influence the results by circularizing the employees with statements antagonistic to the union. These statements likewise were found to be not protected by the LMRA.

**Unlawful Refusal To Furnish Information.** In conformity with the rulings of several circuit courts, a court of appeals upheld <sup>8</sup> an NLRB order directing an employer, pursuant to statutory collective-bargaining provisions, to furnish to a union certain data which it requested. The information asked for concerned individual wage rates, wage ranges, and individual job classifications of employees in the bargaining unit involved.

**Illegal Strike a Breach of Contract.** The NLRB held <sup>9</sup> that a union had breached its contract when it struck in violation of a no-strike clause, and thereby forfeited its bargaining rights and justified

the employer's subsequent cancellation of the contract and mass discharge of the union's members.

Previous decisions by both the Board and the courts have upheld lockout action by an employer who had economic justification for such action to protect his business. It is also well settled that an employer may lawfully discharge employees who actually participate in an economic strike in violation of a collective-bargaining contract. Here, however, the Board upheld the discharge of all members of the striking union whether or not they were actual participants in its unlawful action.

In so doing, the Board noted that the employees were members of a strong and militant union, capable of disciplining its members, and applied a theory of "constructive participation" in the strike to all the union's members. It placed upon those members who did not physically participate a duty to disavow positively the unlawful acts of their bargaining representative or suffer the consequences.

The plant later reopened with new employees. These were organized by another union which was recognized by the company. The Board, however, ordered the employer to cease and desist from recognizing this new union prior to its certification, and from discouraging membership in the old union or "in any other manner interfering with the employees' self-organizational rights."

The Board also ordered the employer to offer reinstatement with back pay to six employees it regarded as unlawfully discharged. These included two nonunion women office employees whose husbands were members of the union. The wives' discharge, the Board ruled, was intended not only to "discourage concerted activities of the husbands," but also to deter the wives from supporting the striking union and to coerce them in exercising their "statutory right to refrain from 'engaging' in concerted activities." Also to be reinstated were four watchmen, whose discharge occurred after that of the other employees, their future employment having been conditioned on the abandonment of their membership in the striking union.

**Refusal To Bargain.** An employer's refusal to negotiate with a group of union representatives unless one of them was excluded from a bargaining session

<sup>6</sup> *In re Mokenes Mfg. Co.* (106 NLRB No. 204, Sept. 30, 1953).

<sup>7</sup> *N L R B v. Pacific Molded Products Co.* (C. A. 9, Sept. 2, 1953).

<sup>8</sup> *N L R B v. Hekman Furniture Co.* (C. A. 6, Oct. 16, 1953).

<sup>9</sup> *In re Marathon Electric Mfg. Corp.* (106 NLRB No. 199, Sept. 29, 1953).



was found<sup>10</sup> by the NLRB to constitute an unlawful refusal to bargain under section 8(a)(5) of the LMRA. The representative was a duly elected member of the union's negotiating committee, and there was no evidence that he did not participate in negotiations in good faith. Therefore, the Board held, the employer's action could not be justified on the ground that the representative, who was not an employee, might harmfully disclose to the employer's competitors information acquired through negotiations.

In so holding, the Board cited the case of *Deena Artware*,<sup>11</sup> in which a court held that "the act did not require that the bargaining representative be employed by the company with which the union was bargaining."

*Radio Station Engaged in Commerce.* In ordering<sup>12</sup> a representation election among the employees of a California radio station affiliated with a national network, the NLRB adhered to its policy of treating activities relating to such "instrumentalities of commerce" as so "affecting" commerce as to come within its jurisdiction. The station was thus found by the Board to be "engaging in commerce" within the meaning of the act.

It is to be noted, however, that while Chairman Farmer and Member Rodgers concurred in the assertion of jurisdiction in this case, it is not to be inferred thereby that they agree with the Board's present jurisdictional standards.

### Unemployment Compensation

*Labor-Dispute Disqualification.* (1) The Beaumont Court of Civil Appeals held<sup>13</sup> that non-striking workmen at a plant where a strike was in progress were justifiably unemployed. They were prevented from going to their jobs, the court stated, by threats and fear of violence, were not participating in the strike, and therefore were entitled to benefits under the Texas Unemployment Compensation Act. Claimants' fears of violence were held to be well founded even though no acts or threats of violence were actually directed at them or their families. The facts showed, the court stated, that they were told by

the strike-strategy committee of the striking union that some form of retaliation would be taken against them if they crossed the picket lines. Numerous acts of violence were committed against persons other than the claimants who attempted to cross the lines, the court stated, and many acts of violence had occurred during a strike of the same union against another company about 3 years prior to the present strike.

(2) The West Virginia Circuit Court of Kanawha County held<sup>14</sup> tippie workers in a mine disqualified for benefits. These workers, under union orders designed to enforce bargaining, first refused to work overtime to maintain production as they had done in the past, and then refused to work 3 shifts as an alternative, thus causing a shutdown. Claimants were not relieved from the labor-dispute disqualification on the ground that the employer shut down operations to enforce changes in hours or working conditions, the court stated, because a provision in the expired contract permitted him to make such changes. Both production and tippie workers were disqualified, since production and processing were integrated and workers of both categories were members of the national union under whose direction 3-shift work was refused.

*Voluntary Leaving of Work.* The Massachusetts Municipal Court for the Dorchester District held<sup>15</sup> that a claimant who became unemployed because of a strike and failed to reapply for his former work following settlement of the labor dispute, left his employment voluntarily. The claimant terminated his employment when the strike was settled, the court found, and the mere fact that there had been a strike, was not good cause attributable to the employing unit, for his leaving.

<sup>10</sup> *In re Roscoe Skipper, Inc.* (106 NLRB No. 209, Oct. 5, 1953).

<sup>11</sup> 198 F (2d) 655 (C. A. 6).

<sup>12</sup> *In re California Inland Broadcasting Co.* (106 NLRB No. 218; Oct. 13, 1953).

<sup>13</sup> *Texas Co. v. Texas Employment Commission, et al.* (Beaumont Ct. of Civ. App., Tex., Sept. 17, 1953).

<sup>14</sup> *Golden McCloud, et al. v. Board of Review* (Cir. Ct. of Kanawha Co., W. Va., June 3, 1953).

<sup>15</sup> *Curchia v. England and Keystone Mfg. Co.* (Municipal Ct. for the Dorchester Dist., Mass., Mar. 18, 1953).

# Chronology of Recent Labor Events

## October 1, 1953

PRESIDENT EISENHOWER, acting under the national emergency provisions of the Taft-Hartley Act, created a board of inquiry on the strike of the International Longshoremen's Association (Ind.) against the shipping industry in North Atlantic ports which had begun earlier the same day after the current contracts had expired. On October 5, following receipt of the board's report, the Government obtained a temporary restraining order in the Federal District Court at New York; thereupon, the union directed the strikers to return to work. The court order, having been extended temporarily and broadened, on October 15, to include the rival AFL union (see Chron. item for Sept. 22, 1953, MLR, Nov. 1953), was made effective for the full statutory 80 days (through December 24) against both the old and the new union—on October 20 and 23, respectively. (Source: New York Times, Oct. 2, 6, 16, 21, and 24, 1953; Federal Register, Oct. 2, 1953, p. 6279; and Report to the President . . . by the Board of Inquiry, Oct. 5, 1953; for discussion, see p. 1324 of this issue.)

## October 2

THE fifth annual convention of the International Union of Electrical, Radio & Machine Workers (CIO) ended after a 5-day session in Montreal, Canada. (Source: IUE-CIO News, Oct. 7, 1953; see also p. 1328 of this issue.)

## October 5

THE National Labor Relations Board, in the case of *Roscoe Skipper, Inc.*, Avon Park, Fla., and *International Union of United Brewery, Flour, Cereal, Soft Drink & Distillery Workers of America, Local 234* (CIO), held that the employer's refusal to negotiate with the union's duly elected bargaining representatives because one of them was no longer employed by the corporation constituted refusal to bargain. (Source: Labor Relations Reporter, Oct. 19, 1953, 32 LRRM, p. 1658; for discussion, see pp. 1319-1320 of this issue.)

## October 8

THE PRESIDENT appointed James P. Mitchell as Secretary of Labor, to succeed Martin P. Durkin (see Chron. item

for Sept. 10, 1953, MLR, Nov. 1953). Mr. Mitchell, a labor relations and personnel expert, had been serving as Assistant Secretary of the Army for Manpower and Reserve Forces. On the same date, the President accepted the resignation of Lloyd A. Mashburn as Under Secretary of Labor, effective October 9, to permit him to become assistant general president of the International Union of Wood, Wire & Metal Lathers (AFL). (Source: White House press release, Oct. 8, 1953; and New York Times, Oct. 9, 1953.)

THE SECRETARY OF THE INTERIOR released a revision of the Federal mine safety code for bituminous and lignite mines which had been developed in cooperation with the United Mine Workers of America (Ind.) and the Bituminous Coal Operators' Association. The revised code supplements the Federal Coal Mine Safety Act of 1952 (see Chron. item for July 16, 1952, MLR, Sept. 1952), and deals with such hazards as roof control and the use of blasting powder. The original code was adopted in 1946 and thereafter was incorporated into wage agreements between union and operators. On October 14, the Bureau of Mines issued a revised safety code for anthracite mines, developed through joint efforts of the Bureau, the UMWA, and representatives of Pennsylvania anthracite operators. (Source: New York Times, Oct. 15, 1953; and United Mine Workers Journal, Oct. 15, 1953.)

## October 9

THE NLRB announced, in connection with its decision in the case of *United States Steel Corp., Pittsburgh Steamship Division*, Cleveland, Ohio, and *United Steelworkers of America (CIO)*, that the Board's future policy would be to grant a union's request to withdraw from a runoff election only on condition that it would not ask for another representation election for 1 year thereafter. This rule was considered essential in order "to prevent abuse and evasion" of runoff election procedures. (Source: Labor Relations Reporter, Oct. 19, 1953, 32 LRRM, p. 1659.)

THE NLRB, in a supplemental decision, in the case of *Fawcett-Dearing Printing Co.*, Louisville, Ky., and *International Mailers Union (Ind.)*, held that the temporary non-compliance of a union with annual report-filing provisions of the Taft-Hartley Act does not require that the representation election won by the union be set aside, but only that the certification be withheld until the union complies. (Source: Labor Relations Reporter, Oct. 19, 1953, 32 LRRM, p. 1660.)

THE Federal Court of Appeals at Chicago, in the case of *National Labor Relations Board v. National Die Casting Co.*, reversed the Board's finding of discrimination in the company's refusal, after a legitimate economic shutdown, to reinstate 5 union committeemen; the court held that the conduct of 2 of the men had breached the union's contract and that the jobs of the other 3 either had been abolished or combined with others. (Source: Labor Relations Reporter, Oct. 19, 1953, 32 LRRM, p. 2750; for discussion, see p. 1318 of this issue.)

## October 12

THE Federal District Court at East St. Louis, Ill., issued a temporary injunction designed to end a 4-week strike at the Joppa, Ill., steam electric project of the Atomic Energy Commission (see Chron. item for Sept. 19, 1953, MLR, Nov. 1953). The restraining order, obtained by NLRB on complaint of the construction contractor and later extended by the court, barred the deposed Local 595 of the Iron Workers (AFL) and its business agent from continuing their illegal picketing. (Source: New York Times, Oct. 13 and 17, 1953.)

THE Supreme Court of the United States denied review to the following cases, thereby, in effect, sustaining decisions of the lower courts:

(1) *Joliet Contractors Association et al. v. NLRB*. The lower court, upholding the NLRB, ruled that bylaws and working rules of a glaziers' union which prohibited members from accepting employment with building contractors using preglassed sash, and designation of such contractors as unfair, did not in themselves constitute a secondary boycott, banned under the Taft-Hartley Act. The court had found no proof that the union regulations had actually resulted in concerted refusal on the part of the members "in the course of their employment." (Source: Labor Relations Reporter, Oct. 19, 1953, 32 LRRM, p. 2750; and *ibid.*, Feb. 10, 1953, 31 LRRM, p. 2361.)

(2) *NLRB v. Swinerton et al., d. b. a. Swinerton and Walberg Co. et al.* The lower court supported the NLRB's finding that the general contractor and subcontractor at a machinery installation project illegally discriminated against applicants who were members of the Machinists Union (AFL) by refusing to hire them because of their lack of membership in, or referral by, the Carpenters Union (AFL). The court also confirmed the Board's authority to prosecute unfair labor practices within the building and construction industry, which had been contested on the ground that the Board had been unsuccessful in conducting representation elections within the industry. (Source: Labor Relations Reporter, Oct. 19, 1953, 32 LRRM, p. 2750; and *ibid.*, Mar. 2, 1953, 31 LRRM, p. 2384.)

(3) *United States Cold Storage Corp. v. NLRB*. The NLRB was upheld in its ruling that the employer unlawfully refused to bargain by rejecting union requests for conferences during a strike, and that the obligation to bargain had not been satisfied by the employer's invitation to the union to present any new proposals in writing; also that he illegally discharged economic strikers because of their striking before they had been replaced. (Source: U. S. Law Week, Oct. 13, 1953, 22 LW, p. 3084.)

(4) *NLRB v. National Marine Engineers' Beneficial Association, No. 126 (CIO)*. The lower court held that the Board may not arrange a settlement with a party charged with an unfair labor practice complaint without giving the charging party a hearing on his objections to the settlement, to which he is entitled under the Administrative Procedure Act. (Source: U. S. Law Week, Oct. 13, 1953, 22 LW, p. 3084.)

(5) *Kent v. Civil Aeronautics Board*. The lower court ruled that the Board, which approved the merger of two airlines, had authority under the Civil Aeronautics Act (and in the public interest) to direct the integration of the seniority lists of the flight engineers of the two airlines by giving equal importance to the same length of service with either airline. The court also upheld the Board's authority to forbid the merging line from entering into future labor contracts which would discriminate against engineers formerly employed by the merged line by disregarding their seniority status established on this basis. (Source: Labor Relations Reporter, Oct. 19, 1953, 32 LRRM, p. 2750; and *ibid.*, June 8, 1953, 32 LRRM, p. 2144.)

## October 15

THE NLRB, in an action involving the International Fur & Leather Workers Union of the U. S. & Canada, Local 214 (Ind.), the Am-O-Krome Co., Cincinnati, Ohio, and the CIO (petitioner), canceled the local's certification as the representative of a bargaining unit in the company's plant. The Board took this action because an officer of the local who had filed a non-Communist affidavit required for the unit's compliance under the Taft-Hartley Act had been convicted of having made admittedly false statements regarding his Communist-Party affiliation. The NLRB, on October 23, issued a policy statement on future handling of representation cases involving unions having officers under indictment for filing false non-Communist affidavits. The Board will withhold action on requests by such unions for an election unless another union is involved in the case and deferment would prejudice the employer's or the other union's interests. If such a union wins an election, the Board will withhold its certification pending the outcome of the indictment. The NLRB averred that it would draw "no inference of guilt from the issuance of the indictments." (Source: Labor Relations Reporter, Oct. 26, 1953, 32 LRRM, p. 1673; and Federal Register, Nov. 11, 1953, p. 7185.)

## October 19

THE Supreme Court of the United States denied review in the case of *West Texas Utilities Co., Inc., Abilene, Tex., v. National Labor Relations Board*, thereby in effect upholding the lower court's finding of civil contempt for bargaining in bad faith. The employer's negotiation of a wage increase with an attorney claiming to represent a large group of employees (see Chron. item for Apr. 28, 1953, MLR, June 1953) was held to be a violation of a court decree enforcing an NLRB order that the employer bargain exclusively with the certified local unions, since the adjustment of wage rates for a large percentage of the employees affected was not a "grievance," as claimed, within the meaning of the grievance proviso in the Taft-Hartley Act. (Source: Labor Relations Reporter, Oct. 26, 1953, 32 LRRM, p. 2769; and *ibid.*, May 4, 1953, 32 LRRM, p. 2043.)

THE Supreme Court of the United States refused to review the case of *National Labor Relations Board v. Mid-Continent Petroleum Corp.*, sustaining, in effect, the lower court's reversal of the NLRB on its "1-year" certification rule. (Source: Labor Relations Reporter, Oct. 26, 1953, 32 LRRM, p. 2769; *ibid.*, May 22, 1953, 32 LRRM, p. 2127; for discussion, see p. 1326 of this issue.)

#### October 20

WILLIAM L. HUTCHESON, president emeritus of the United Brotherhood of Carpenters and Joiners of America (AFL) and for 37 years its president, died of a heart ailment. Until the recent temporary withdrawal of the union from the American Federation of Labor (see Chron. item for Sept. 8, 1953, MLR, Nov. 1953) he had also been first vice president of the Federation. (Source: New York Times, Oct. 21, 1953.)

#### October 21

THE International Hod Carriers', Building & Common Laborers' Union of America (AFL) ended a special 3-day constitutional convention, in celebration of its 50th anniversary, in Washington, D. C. (Source: Union's undated press release; and Washington [D. C.] Post, Oct. 19-21, 1953.)

#### October 22

THE Federal Wage and Hour Administrator, under the Fair Labor Standards Act, approved higher minimum hourly wage rates for employees in the heavy products and industrial equipment division of the metal, plastics, machinery, instrument, transportation-equipment, and allied industries in Puerto Rico, effective November 30, 1953. The new rates will be 75 cents for drydock operations,

68 cents for mining, primary metal, and heavy fabricated metal products, and 58 cents for light machine-shop products and small industrial equipment, instead of 53 cents, the old rate for the entire division. (Source: Federal Register, Oct. 28, 1953, p. 6803.)

#### October 28

THE NLRB refused to assert jurisdiction over the operations of a rural electric cooperative corporation, thus (according to a dissenting Board member) departing from its 3-year policy of assuming jurisdiction over all cases involving public utilities which are engaged in commerce or in operations affecting commerce. The Board majority (including the new chairman and another recent member) ruled that the operations of the Inter-County Rural Electric Cooperative Corp., Danville, Ky., did not have a sufficient impact on interstate commerce to justify assertion of jurisdiction, although it conceded that the cooperative was engaged in commerce. (Source: Labor Relations Reporter, Nov. 2, 1953, 33 LRRM, p. 1010.)

#### October 30

THE NLRB reversed a 5-year policy when it ruled unanimously, in a representation case involving the Walterboro Manufacturing Corp., Walterboro, S. C., and the International Ladies' Garment Workers' Union (AFL), that part-time guards and watchmen are not to be included in bargaining units with other employees because they are guards within the meaning of the Taft-Hartley Act regardless of the proportion of time spent on guard duties. Heretofore, guards who devoted less than half their time to guard duty were included in bargaining units with nonguards. (Source: Labor Relations Reporter, Nov. 9, 1953, 33 LRRM, p. 1028.)



# Developments in Industrial Relations<sup>1</sup>

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THE STRUGGLE for dominance in the East Coast longshore industry between the Ryan-led International Longshoremen's Association and the newly chartered ILA-AFL shifted in part from the New York piers to the courts and National Labor Relations Board hearing rooms during October, with the issuance of injunctions and requests for representation elections. At the same time, the NLRB, through actions against Communist-led unions, review of past policies, and addresses of its newly appointed chairman, was charting a new course in its administration of the Taft-Hartley law. On the West Coast, one of the largest and most significant work stoppages of the year occurred late in the month as the United Automobile Workers (CIO) sought substantial wage increases for approximately 33,000 workers employed in the production of Sabre-jets and other military equipment at plants of North American Aviation, Inc.

## New York Docks

A 5-day stoppage involving 50,000 longshoremen in Atlantic Coast ports began October 1, 1953, after negotiations between the International Longshoremen (Ind.) and the New York Shipping Association broke down. On the same day, the President invoked the national emergency provisions of the Labor-Management Relations (Taft-Hartley) Act of 1947 and appointed a board of inquiry.<sup>2</sup> On October 5, after the board reported, a 10-day restraining order against a strike along the East Coast by the International Longshoremen's Association was obtained by the Attorney General, and the union instructed its members to return to work on October 6.

The board had reported to the President that wages, work guarantees, arbitration, hiring practices, and union security were the major issues in dispute. Resolution of these issues, the board

observed, was complicated by recently enacted State laws governing dock labor practices, and the membership drive of the newly chartered ILA-AFL. No early termination of the stoppage, the board reported, was likely.

The temporary order later was extended until October 20 when it was superseded by the full 80-day injunction, in effect until Christmas Day. The injunction was also broadened to include the AFL Longshoremen's Union. Sporadic violence was met by police action and later restrained by temporary injunctions against the expelled ILA, and some of its locals and individual members.

A petition to the NLRB for a representation election was submitted by the AFL Longshoremen's Union while it continued organizing activities on the New York docks, where it claimed a membership of "well over 9,000" of the approximately 25,000 longshoremen in the area. Efforts of the NLRB to expedite the election proceedings were stymied when both unions refused to agree to a consent election for the Port of New York and thus eliminate the need for formal hearings on the rival claims.

Late in October, the New York Shipping Association petitioned the NLRB to determine speedily which union represented the longshoremen, in order to facilitate negotiating a new contract before the injunction lapsed. A spokesman for the Association stressed the incongruous position of the employer's being "ordered to bargain" even though it had not been determined which union properly represented the waterfront workers.<sup>3</sup> On October 26, the shipping association announced it would resume negotiations with the Ryan-led Longshoremen's Union, since such action seemed to be required under the terms of the court order and the Taft-Hartley Act.

## NLRB Developments

Chairman Guy Farmer presented his views on collective bargaining and the role of the NLRB in an address, on October 6, to the Union Employers' Section of the Printing Industry of America. He said:

<sup>1</sup> Prepared in the Bureau's Division of Wages and Industrial Relations.

<sup>2</sup> See *Monthly Labor Review*, November 1953 (p. 1215).

<sup>3</sup> Federal Judge Edward Weinfeld, in granting the 80-day injunction, had directed the Association to attempt to settle its differences with its employees before the order expired.

I do not believe that we are going to make either management or labor happy. . . . We can only hope that we may . . . influence . . . both . . . in the direction of greater respect for one another and a better understanding of their mutual problems.

The Board is not, in the real sense, in the business of settling labor disputes. . . . We prescribe the rules for negotiating by saying that both parties must make a good-faith attempt to reach agreement. But we do not sit there with you to see that this is done . . . except for conducting elections we get into labor relations only after labor-management relations have broken down. . . .

If the Board can convince management and labor that it is impartial and that neither will get more than it is entitled to, management and labor will be more inclined to settle their own problems by collective bargaining and less inclined to come running to the Board seeking to use its processes to gain an advantage.

In an address to the National Conference of Business Paper Editors, on October 21, Mr. Farmer expressed the view that the Board now "reaches down too far into enterprises not sufficiently important to the national economy to justify national consideration. It has always seemed to me . . . Federal agencies should, as a matter of self-restraint, impose limits on their own power, and thus provide the opportunity for local problems to be settled on a local basis by the citizens of the community in which those problems arise."

*Craft Severance.* The severance of craft units from "long established" plantwide units has been a frequent source of controversy in the labor movement. A review of the issues, pro and con, was held by the NLRB on October 7 as part of the testimony in a case involving the Trona, Calif., plant of the American Potash and Chemical Corp. In this instance three AFL unions seek to represent crafts now part of a plantwide unit: the IBEW to represent the electricians; the Operating Engineers, the powerhouse employees; and the Machinists, several separate units composed of pump packers, riggers, and toolroom keepers. Their petitions were opposed by the employer, by the Chemical Workers (AFL) as a petitioner to represent the entire production and maintenance unit except certain machinist classifications, and the Mine Workers (District 50, Ind.) which now represent the entire plant (except for a machinists' unit severed in January 1953).

The employer and the Chemical Workers, as well as other parties to the oral argument, sought to persuade the Board to apply to the basic chemical industry, of which American Potash is a part, the doctrine of the *National Tube* case (76 NLRB 1199). In this case, decided in April 1948, the Board found that the work of various craft groups was closely "integrated" with the work of the production workers and decided that a plantwide unit was appropriate.

Opposing application of the *National Tube* doctrine, AFL representatives urged a policy of "utmost liberality . . . when the craft workers involved have indicated their desire for representation on a craft basis." In refutation of a major argument that craft severance promotes instability, the AFL submitted a study of 222 cases in which the Board had approved craft severance. Its analysis showed that the work stoppages attributable to the craft unions subsequent to certification at plants involved in these severance cases was a small fraction of the total stoppages occurring at these companies during this period.

As a part of the general proceeding the Board solicited testimony on other factors relevant to the problem of granting severance of craft groups from long-established plantwide units. In addition to the parties directly concerned in the Trona case, testimony was received on these matters from the AFL parent organization, the CIO, and a number of international unions, as well as from the United States Chamber of Commerce, the Manufacturing Chemists Association, and the National Association of Manufacturers.

*Non-Communist Affidavits.* In an effort to oust Communists from positions of influence and control in labor unions, the NLRB adopted a policy of denying certification as collective bargaining agents to unions that have officers under indictment for filing false non-Communist affidavits.<sup>4</sup>

Under the new policy the Board indicated that it would withhold action on petitions for repre-

<sup>4</sup> Under the Taft-Hartley Act a union may not use the services of the Board for representation elections or unfair labor practice charges unless each local and national officer files a sworn affidavit stating that "he is not a member of the Communist Party or affiliated with such party, and that he does not believe in, and is not a member of or supports any organization that believes in or teaches, the overthrow of the United States Government."

sentation elections by such unions. However, if another union was involved, or if delay would prejudice the interest of the employer or the other union, the Board indicated it would proceed with the election. However, the NLRB stated that it would not certify the union where officers are under indictment as bargaining agent, even if it won the election, pending disposition of the indictment. Where the officer is convicted, the NLRB policy provided that bargaining rights of the union should be canceled.

The first NLRB action (which, in fact, took place before the policy was formally announced) involved the Fur and Leather Workers, expelled from the CIO about 4 years ago. The Board unanimously canceled the union's bargaining rights at a Cincinnati firm, after the local's secretary-treasurer was convicted last spring of a charge of false statements when he disclaimed Communist ties.

Under this new policy the Fur and Leather Workers, whose national president is under indictment,<sup>4</sup> and the Marine Cooks and Stewards, whose president has been reindicted in Washington, D. C., will not be able to obtain certification as bargaining agents for any group of employees until their presidents are cleared of these charges. If they are convicted, all local bargaining rights of the two national unions will be canceled.

**Court Rejects NLRB Certification.** The Supreme Court upheld a Court of Appeals ruling against the NLRB in a case involving continued certification of a union disavowed by a majority of a unit's employees. In July 1951, the Mid-Continent Petroleum Corp. was charged by the Board with engaging in an unfair labor practice when it refused to continue to bargain with a union which half the employees had repudiated about 2 months after its certification. The Sixth Circuit Court of Appeals held that, "where the will of the employees to revoke the power of their bargaining agent is clear and unquestioned, effect must be given to such revocation," and found that the Board had no basis for a requirement that a certification, except under extraordinary circumstances, must be respected for a full year. In its appeal to the Supreme Court the Board argued

that its certification of a union "is for a reasonable period" even though the employees subsequently decide to change bargaining agents. The Supreme Court refused to review the lower court's decision.

### Negotiations and Settlements

**Aircraft.** Late in October approximately 33,000 employees of North American Aviation, Inc., producer of jet aircraft for the Armed Forces, became idle in Los Angeles and Fresno, Calif., and Columbus, Ohio, because of a wage dispute. The United Automobile Workers (CIO) called the strike at the Los Angeles and Columbus plants on October 23 and at the Fresno plant on October 24 after the company rejected union proposals for contract changes. In addition to increased fringe benefits, UAW demands included a 23.4-cent hourly increase, which the union said would bring the company's pay scale up to the level for aircraft employees in automobile plants.

The company had offered a 4-percent base pay increase, a 2-cent-an-hour cost-of-living adjustment under a revised escalator formula, an additional 4 cents an hour for top labor grades, increased differentials for leadmen, and improved vacations, life insurance, and hospital and surgical benefits. These changes were put into effect on October 19 for about 21,000 employees not covered by the UAW-CIO contract.

Negotiations between the International Association of Machinists (AFL) and two other major California aircraft companies were also in progress during October. Union proposals included a 10-percent average wage adjustment and other benefits for 28,000 employees of the Douglas Aircraft Co. and an overall 12-percent increase in wages and employee benefits for a comparable number of workers of Lockheed Aircraft Corp. The current contracts with Douglas expired October 17, but were extended to November 1. On October 18, the employees had rejected a company offer of a 5-cent wage increase, an additional 5 cents for leadmen, an escalator clause, and increased vacations. At Lockheed, negotiations have been under way since mid-September on a new contract to replace the one scheduled to expire on November 9.

<sup>4</sup> See Monthly Labor Review, November 1953 (p. 1215).

**Meat Packing.** Agreements covering 68,000 employees of both Swift and Co. and Armour and Co. were reached early in October with 3 unions. The settlements included a general hourly wage increase of 5 cents, effective September 28, and company-paid hospital, medical, and surgical programs for employees and their dependents. Coverage under the health plan, estimated to cost 4½ cents an hour for each employee, was to begin December 1.

Each company signed agreements with the Meatcutters (AFL) and the Packinghouse Workers (CIO). Swift also signed an agreement with the Brotherhood of Packinghouse Workers (Ind.). Throughout the negotiations close cooperation was reported between AFL and CIO bargaining committees. There were sporadic work stoppages and threats of a national strike which culminated in a half-day stoppage idling 17,000 workers at 20 Chicago plants of Swift and Co., on September 29.

Later in the month, Wilson & Co. and the Cudahy Packing Co. reached agreement with the CIO United Packinghouse Workers following the Swift and Armour pattern. Negotiations for similar settlements with approximately 100 independent companies were reported in progress.

**Dairies.** A work stoppage began October 25 involving 13,000 truck drivers and plant workers employed by milk distributors in the New York metropolitan area. The Teamsters (AFL) sought a \$15 weekly wage increase, a reduction in the workweek to 35 hours from 40 hours, and fringe benefits. The employers offered a \$2.10 weekly wage increase for plant workers, no change in drivers' wages, and fringe benefits estimated at \$1 a week for all workers. The strike ended October 31 with agreement on a wage increase of \$6 a week and an additional \$2.50 a week in welfare, insurance, and vacation benefits.<sup>6</sup>

**Telephone.** The Communications Workers of America (CIO) and the Chesapeake and Potomac Telephone Co. of Virginia reached agreement on a new 1-year contract covering approximately 6,500 telephone workers in Virginia. This is reported to be the final 1953 contract settlement between the union and the Bell Telephone system, in a series of negotiations which started in January.<sup>7</sup>

Approximately 300,000 telephone workers are covered by the more than 30 Bell system agreements negotiated by the CWA during the intervening period. General wage increases ranged from \$1 to \$4 a week, and, in addition, the settlements provided increased differentials for certain employee groups, shortened wage progression schedules, and upward reclassifications of certain town wage schedules.

**Automobiles.** The Kaiser Motors Corp. and the UAW-CIO renegotiated their collective agreement covering the Willow Run plant<sup>8</sup> as a result of sharp cutbacks in aircraft contracts and a reduction in Kaiser automobile sales. The contract, originally negotiated to cover a work force of approximately 13,000, proved unwieldy and costly when applied to a sharply reduced force of about 3,000. At the company's request, the union agreed to changes in the contract which the company indicated would enable it to maintain its competitive position. The changes included a provision for consolidating certain job classifications; this would permit the company to shift workers from job to job so as to minimize payments for time not worked, when a full day's work in a particular job is not available.

**Railroad Workers.** Negotiators for 15 nonoperating railroad unions notified the carriers' representatives that strike ballots, returnable by December 1, were being distributed among their members in the dispute over changes in nonwage provisions of their contracts. Counter-proposals submitted by the carriers were unacceptable and union representatives requested the services of the National Mediation Board. Although the Board arranged for representatives of the carriers and unions to meet in Chicago on November 3, plans for the strike vote continued. The carriers, after brief discussions, announced they were seeking a declaratory judgment from the Federal District (Chicago) Court to the effect that several of the unions' proposals were not proper issues for negotiation. Those particular proposals related

<sup>6</sup> Editor's Note.—On November 3, dealers raised milk prices by 1 cent a quart. Industry spokesmen attributed half this increase to higher labor costs resulting from the strike settlement and half to higher farm prices under a Federal-State milk marketing order.

<sup>7</sup> See Monthly Labor Review, June 1953 (p. 639).

<sup>8</sup> Editor's Note.—The sale of the Willow Run plant to General Motors Corp. was announced on November 10, 1953.



to requests for more liberal free pass (transportation) privileges and insurance and welfare benefits, the costs of which would be defrayed by the railroads. Such proposals, the carriers declared, were not subject to collective bargaining under the "rates of pay, rules, and working conditions" provisions of the Railway Labor Act. At the same time the carriers offered to continue discussions with reference to improved vacations and premium pay for holiday and Sunday work.

### Steelworkers' 1954 Proposals

The CIO Steelworkers' Wage Policy Committee, composed of several hundred district and local union representatives, met in New York during October to discuss contract proposals to be presented in 1954. One of these dealt with changes in the 5-year pension and insurance agreements which expire next fall. Union spokesmen urged an increase in the present pension guarantee of \$100 a month (including Federal social security payments) to qualified employees with 25 years' service to from \$175 to \$200 a month (excluding social security). The committee also recommended that a program be developed whereby workers would retain their pension protection if they transferred from one company to another. Substantial increases in health and welfare benefits as well as a broadening of the insurance program, completely financed by the companies, were also urged.

The Steelworkers' president told members of the union's wage policy committee that, although the guaranteed annual wage would be a major demand in contract negotiations next year, no strike would be called to force its acceptance. He said that, although he was confident of its ultimate success, such a program would not come overnight.

The United Steelworkers has had the guaranteed annual wage as a long-range objective since the union was formed in 1936. In 1943 an unconditional 52-week guarantee was demanded. In 1947 its proposal for a guarantee was reported as "substantially less" than the 1943 demand. In 1952 the union proposed a "limited liability" annual wage guarantee. Under this plan company contributions were estimated by the union at 6½ to 7 cents per man-hour which would go into a trust fund. Overall weekly benefits would have

been 30 times the standard hourly wage rate, including State unemployment benefits, and would have been payable for 52 consecutive weeks in any one period of unemployment. The company's liability would have been limited to the amount in the trust fund.

The annual wage guarantee under consideration by the Steelworkers' Wage Policy Committee is reported to be somewhat similar to the 1952 proposal. Under this plan the steel companies would, as a first step, be asked to set up a trust fund based on company contributions of 10 cents per man-hour, to supplement State unemployment insurance payments to qualified workers.

### Other Guaranteed Annual Wage Developments

Another CIO union, the International Union of Electrical Workers, in a major report to its fifth annual convention set forth its program and policies for negotiating guaranteed annual wage agreements at the local union level. In general the principles which, according to the IUE report, should underlie such a plan, paralleled those set forth at the UAW-CIO annual convention in March 1953,<sup>9</sup> with one major exception. The UAW resolution stated that "financing should combine pay-as-you-go to provide employers with incentives to stabilize employment, with a reserve trust fund to meet abnormal costs. Provision should be made for reinsurance to reduce the size of the required reserves and to spread the risks of abnormal employment over the widest possible area of the economy." The IUE-CIO report urged that "the plan should provide for the amount of employer contributions and this should be the full extent of his liability." In addition, the IUE report stated that "vigorous efforts should be made to improve unemployment compensation payments and liberalize the eligibility requirements so that even workers not eligible for [the guaranteed annual wage] will be more adequately protected."

Although most proposals for the annual wage are pointed to negotiations in 1954 or 1955, the AFL warehousemen's union in St. Louis has made it a current major bargaining issue. The Warehouse and Distribution Workers' Local of

<sup>9</sup> See Monthly Labor Review, May 1953 (p. 496).

the AFL Teamsters reported as of mid-August 1953 that 20 of its 300 contracts incorporate the annual wage plan, covering roughly 30 percent of the 10,000 warehouse and distribution workers represented by the union in St. Louis. Union negotiators expect the guarantee to be extended as existing contracts expire.

While the St. Louis contracts providing an annual guarantee cover approximately 3,000 workers, only about 2,200 top seniority employees are actually protected. They are assured of 2,000 hours of work a year, exclusive of overtime. The guarantee covers a specified number of employees in each company based on 1952 employment records and the number remains constant for the contract period. Replacements for employees on the guarantee list are based on seniority.

In Philadelphia, employees of the American Sugar Refining Co. and the National Sugar Refining Co., represented by the International Longshoremen's Union (Ind.) early in September ratified a new contract continuing their guaranteed annual wage plans which were started September 1, 1952. The plans cover around 2,000 production and maintenance workers and guarantee 2,000 hours' or 50 weeks' pay, instead of 1,976 hours' pay previously assured, to each employee with at

least 1 year's seniority. The local union's president, in commenting on the employees' reaction to the plan, pointed out that it had cut absenteeism, improved morale, and restored harmony between the local and the company.

Employer interest in labor's increasing emphasis on wage guarantees became more apparent during the month. The Committee on Economic Policy of the United States Chamber of Commerce issued a report<sup>10</sup> which questions the desirability of a guaranteed annual wage. The report is critical of attempts to obtain guaranteed wages through "overall tight economic planning" and stresses the constant changes in the American economy and the importance of stabilizing production or sales, or both, prior to making formal commitments on wage guarantees. It likewise focuses attention on the need for further careful study of proposals linking guaranteed wage plans with unemployment compensation. Another report,<sup>11</sup> prepared by Industrial Relations Counselors, Inc., urges full exploration of the contributory approach to guaranteed wage programs, particularly in companies which already maintain a substantial benefit program.

<sup>10</sup> *The Economics of the Guaranteed Wage*, Washington, 1953.

<sup>11</sup> *The Guaranteed Annual Wage: An Active Issue*, New York, 1953.

# Publications of Labor Interest

EDITOR'S NOTE.—Correspondence regarding publications to which reference is made in this list should be addressed to the respective publishing agencies mentioned. Data on prices, if readily available, are shown with the title entries.

Listing of a publication in this section is for record and reference only and does not constitute an endorsement of point of view or advocacy of use.

## Special Reviews

*Peter E. Dietz, Labor Priest.* By Mary Harrita Fox. Notre Dame, Ind., University of Notre Dame Press, 1953. 285 pp., bibliography, illus. \$4.75.

Detailed biography of a Catholic priest, a pioneer in social-work education and in social action and labor education in the period between 1906 and 1922. Born on New York's East Side, of German parents, he studied in Germany after attending several schools in this country and doing many kinds of manual work. In Germany, he came to know the European Catholic social movement, out of which have come many of the present-day leaders in western continental Europe, including Adenauer.

As a student in this country, he had already thought of what he would do on social problems when he became a priest. On his return to the United States, he continued thinking of social work and preparing for it. The German experience had merely helped to confirm his previous convictions.

The activities he inaugurated were legion. He edited a social section of a magazine. He ran a labor news service. He was secretary of a social-service commission. He started two schools of social work. He organized institutes for the study of labor problems. He started a Catholic organization for labor people to help them do their work better in the unions. He inaugurated the Sunday Mass, still continued, for the Catholic and other delegates to AFL conventions, held with a sermon on the religious implications of the labor movement. He urged general industrial conferences.

He was strongly in favor of people joining existing unions. He fought the Socialist penetration of unions. (For "Socialist" then, read "semi-Communist" now.) He helped solidify the AFL policy, at that time, of opposition to government action in economic life, but worked for employer-labor cooperation to handle the whole range of economic life. He was not against government action but was supremely in favor of union-management cooperation. He was a personal friend of many labor leaders, and he and they "talked the same language."

The final 25 years of his life he spent as pastor of a Milwaukee suburban parish. As he had not succeeded in so many of his earlier undertakings (being a kind of John the Baptist), he did not succeed in his last and most ambitious work in the labor field. It was a national labor college as an outgrowth of the American Academy of Christian Democracy. It was situated in Cincinnati. The Archbishop of Cincinnati first welcomed it. But after a while he came to oppose Father Dietz and finally ended Father Dietz' stay in the diocese. Without Father Dietz, the labor college and the academy collapsed. Father Dietz spent the rest of his life in parish work.

Why Archbishop Mueller ordered Father Dietz out of the diocese is the heart of the story and, to my mind, the author blurs the story. He makes it out a story of the Archbishop's action being decided by giving in to a committee of businessmen who approached him after Father Dietz had openly opposed the current antiunion drive, called the "open shop" drive. This was late in 1920. Father Dietz had already been working for the election of President Harding. For a priest to get into politics was an unheard-of thing. Father Dietz was also working publicly against American entrance into the League of Nations, which, to the minds of many then and now, was a very unintelligent thing to do. The author blurs this story also but gives basic facts that help the reader reach a judgment different from the author's.

On special invitation, Father Dietz occasionally spoke at Catholic meetings on industrial problems after leaving his earlier work, which was superseded by a national organization, the National Catholic Welfare Conference—likewise something which he had envisaged.

This book tells the story of a pioneer working at a time when his church was engrossed in the

simple job of building churches and schools and of getting men and women to staff them. Father Dietz was an organizer of social action at a time when his church was not ready for much of such organization. And, as in the case of many other pioneers, when the fruit of the work was ready for the harvest he was not called on. However, other pioneers were called on. The book is not a study of Father Dietz' ideas but of the methods of organization and education that he worked at or tried to get started in a very difficult period. It is also a study of a very interesting man.

—REV. RAYMOND A. MCGOWAN.

*The Musicians and Petrillo.* By Robert D. Leiter. New York, Bookman Associates, Inc., 1953. 202 pp., bibliography, illus. \$3.75.

When the late William Green lost his union card with the expulsion of the Mine Workers from the A. F. of L. in 1936, he was invited to join the American Federation of Musicians. The traditional "open" admittance policy of the union, stretched a bit in this case to admit a man who was obviously not a professional musician, brought Mr. Green into the company of thousands of members who were capable of performing publicly but who could not hope to earn a livelihood as performers.

Dr. Leiter's history of the American Federation of Musicians tells the story of a union plagued throughout its existence by unemployment and underemployment, and of leaders who were reluctant to accept "progress" at the cost of employment opportunities for musicians. In 1947, which was probably not an unusual employment year for musicians, it was estimated that only about 15 percent of the union membership worked exclusively as musicians and about twice this proportion depended upon work as musicians for a part of their income. The book reviews the early trials of the union, the development of prestige and power, the technological revolution in the entertainment world and its impact on professional musicians, and the union's struggles to protect the interests of those members who benefited by the reproduction of musical performances and of the larger group for whom the opportunities to play were rapidly vanishing. Because power in the union flows through the

president, the activities of Joseph N. Weber, who led the Musicians from 1900 to 1940, and of James C. Petrillo, who has been the president since, are spotlighted.

The author stresses the problems of technological change, which to musicians meant the substitution of mechanically reproduced sound for live performances. Since employment data are not presented, it is difficult to evaluate the consequences of technological change. The development of motion pictures as mass entertainment brought thousands of musicians into theater pits, but the addition of sound threw them out again. Radio broadcasting started as a boon, but its increasing use of phonograph records, which in the home were no threat, has displaced musicians or eliminated job opportunities. In television, the kinescope or film became the threat to live performances. The records, transcriptions, tapes, or films—the fruits of technical advances—were to the union the weapons of self-destruction, as the musicians, themselves, had created them. That the union, therefore, had the right to control the output, limit its use, or stop it outright for its own protection, was Mr. Petrillo's claim as a basis for action.

If notoriety is any criterion, the dynamic president of the American Federation of Musicians merits a book of his own. Dr. Leiter reports on the battles which, because of the media of entertainment involved, made Petrillo a household name. One need not be a student of trade-union history to recall the stories of the organization of solo instrumentalists, the long campaign to organize the Boston Symphony Orchestra, the Interlochen dispute and other attempts to keep school children and other "free" performers off the air, the use of "standby" pay in radio broadcasting and the events leading up to the Lea Act of 1946, the ban on records, and the institution of the so-called "royalty" fund. The author credits Mr. Petrillo with being a highly competent and successful union leader, but deplores some of the methods he has used and his failure to appreciate public reaction. The quoted statements of the outspoken Mr. Petrillo, who has provided much copy to newspaper reporters and editorial writers, lend spice to the book. On the whole, however, the author's attempts to interject the lively interplay of personalities into this history are somewhat awkwardly done, as if through afterthought, which is



not to the discredit of a conscientious researcher and serious student of labor problems.

A chapter of the book is devoted to the activities of Local 802 of New York City. In this chapter, and throughout the book, it becomes plain that the American Federation of Musicians, which carries on some of the functions of a trade association, a professional society, an employment exchange, and a collection agency, is quite unlike any other large union in the country. One of the most striking differences is the union's disregard of seniority. In the nebulous music industry, employers are generally free to hire and fire on the basis of merit, youth, appearance, or any other criterion that has meaning in the entertainment world.

As a thorough research job, and for its own intrinsic interest, *The Musicians and Petrillo* merits a place on the growing shelf of trade-union histories.

—JOSEPH W. BLOCH.

*Soviet Economic Growth—Conditions and Perspectives.* Edited by Abram Bergson. Evanston, Ill., and White Plains, N. Y., Row, Peterson and Co., 1953. 376 pp. \$6.

This volume records the proceedings of a conference, sponsored by the American Council of Learned Societies and the Social Science Research Council, which brought together some of the best United States experts on Soviet economics. The main theme of the discussion was the prospect for economic growth of the USSR in the coming two decades. The prognostications for different aspects of economic growth were based on analyses of past experience and probable changes in controlling factors.

Twelve papers presented at the conference are reproduced, with comments made by the participants in the meetings. Although forming chapters of the book, the papers are fully independent of each other, differ widely in form, and should be considered as individual contributions, as in proceedings of other scientific conventions. The book differs from other such proceedings, however, in presenting a more systematic selection of topics and reporters.

The conference covered a broad area of problems. Three papers on general aspects of Soviet economic growth are given first: National Income (by Gregory Grossman); Capital Formation and Allocation (by Norman M. Kaplan); and Popula-

tion and Labor Force (by Warren W. Eason). Next come four papers on the industrial development of the USSR: Transportation (by James H. Blackman); Industrial Resources (by Chauncey D. Harris); Industrial Labor Productivity (by Walter Galenson); and Industrial Production (by Donald R. Hodgman). Except for the report on industrial resources, these seven papers are highly technical and stress methodological problems, reconciliation of contradictory statistical series, and similar topics. They are not designed for the general reader but represent a valuable contribution to scientific studies of Soviet economics.

This group of papers is followed by three reports on agriculture in the USSR: Agricultural Resources (by V. P. Timoshenko); Agricultural Organization [collectivization] (by Lazar Volin); and Agricultural Output and Employment (by Joseph A. Kershaw). The two concluding reports in the volume cover foreign trade—within the Soviet bloc (by Oleg Hoeffding) and between this bloc and the West (by Harry Schwartz). These five papers, like the report on industrial resources, will be appreciated not only by students of Soviet economics but by general readers as well. In the opinion of this reviewer, it will be regrettable if these sections of the book are not reprinted for a much broader circulation.

The conclusions of the conference are sound. The twelve papers deflate the boastful claims of the Soviets and the myth of the USSR's inexhaustible resources, its breathtaking economic progress, and the advantages of its system of planning. But they avoid the other extreme—an underestimation of the present strength of the Soviet Union and its probable economic growth. They give a well-balanced, realistic picture of the Soviet economy: abundant but poorly distributed and not inexhaustible natural resources; a ruthless control of investments, and all economic activities by a despotic government, guided by considerations of power and little concerned about the interests of the mass of the population; subjugation and exploitation of the rural majority; disproportionate growth of industries supporting the military power of the government.

Speculations by the authors about the economic strength of the Soviets in 1970 are based on assumptions which can be neither proved nor disproved. They are presented as tentative, and the

reader can adjust them to his own ideas on the probable course of events. But for such adjustment he would have to use the factual data provided in the book. This reviewer recommends the book to the attention of all who are seriously interested in developments behind the Iron Curtain.

—W. S. WOYTINSKY.

### Cooperative Movement

*Consumers' Cooperation in Germany.* By Erwin Hasselmann. Hamburg, Central Union of German Consumers' Cooperative Societies (Zentralverband Deutscher Konsumgenossenschaften), 1953. 81 pp., charts, maps, illus.

*Cooperation in the [British] Colonies.* By Marjorie Nicholson. Manchester, England, Cooperative Union, Ltd., Education Department, 1953. 96 pp., bibliographies, map, illus. (Design for Study, 6.) 1s.

*Report of the 84th Annual Cooperative Congress, Llandudno, [Wales], May 25-28, 1953.* Edited by R. Southern. Manchester, England, Cooperative Union, Ltd., 1953. 420 pp.

*Beretning for 1952 til Norges Kooperative Landsforenings Representantskap.* Oslo, Norges Kooperative Landsforening, 1953. 80 pp.

Report of the Norwegian Cooperative Union and Wholesale Society (NKL) on operations of its member societies, which include consumers', production, marketing, and other organizations.

### Employment and Unemployment

*United States Census of Population, 1950: Employment and Personal Characteristics—Employment by Age, Race, Nativity, Education, Marital Status, Household Relationship, etc.* Washington, U. S. Department of Commerce, Bureau of the Census, 1953. 145 pp. (Special Reports, Vol. IV, Part 1, Chapter A.) 70 cents, Superintendent of Documents, Washington.

*Average Employment and Total Wages of Workers Covered by State Unemployment Insurance Laws, by Industry and State, 1952.* Washington, U. S. Department of Labor, Bureau of Employment Security, 1953. 23 pp.; processed.

*Full Employment on Trial: A Case Study of British Experience.* By Paul E. Sultan. Buffalo, N. Y., University of Buffalo, School of Business Administration, Department of Industrial Relations, 1953. 12 pp. (Reprinted from Canadian Journal of Economics and Political Science, May 1953.)

*Unemployment in Textiles.* By H. A. Turner. (In Bulletin of the Oxford University Institute of Statis-

tics, Oxford, England, August 1953, pp. 295-306, charts. 3s. 6d.)

Compares employment experience of different sections of the major textile industries in Great Britain in 1951 and 1952 on the basis of statistics of employment, unemployment, short-time working, payrolls, and machine activity. Finds that it is normal for activity to decline first in earlier stages of production, experience varying somewhat according to degree of vertical integration prevailing in the trade.

### Guaranteed Wage

*The Economics of the Guaranteed Wage.* Washington, Chamber of Commerce of the United States, Economic Research Department, 1953. 34 pp. 50 cents.

Report of the Chamber's Committee on Economic Policy.

*The Guaranteed Annual Wage: An Active Issue.* New York, Industrial Relations Counselors, Inc., 1953. 28 pp. (Industrial Relations Memo 131.) \$1.50.

Analyzes various employer-initiated plans and types of union approach to the guaranteed annual wage, including the supplementing of State unemployment insurance.

*The Guaranteed Annual Wage in Collective Bargaining.* Princeton, N. J., Princeton University, Industrial Relations Section, July 1953. 4 pp. (Selected References, 52.) 20 cents.

*Guaranteed Wage and Employment Plans in Collective Agreements, [Canada].* (In Labor Gazette, Department of Labor, Ottawa, September 1953, pp. 1269-1272. 25 cents.)

### Industrial Relations

*Case Studies in Collective Bargaining.* By Walter Hull Carpenter, Jr. New York, Prentice-Hall, Inc., 1953. 465 pp., charts. \$4.95.

*Collective Bargaining: Negotiations and Agreements.* By Selwyn H. Torff. New York, McGraw-Hill Book Co., Inc., 1953. 323 pp. \$5.50.

A new textbook covering the entire scope of union agreements from preamble to signatures. Chapters are devoted to such subjects as union security, worker seniority, hours of work and overtime, paid vacations, benefit plans, and grievance procedures. Opposing viewpoints of unions and employers with respect to the negotiation of particular clauses are summarized. The development and legal status of the collective-bargaining process and criteria for wage adjustments are briefly discussed.

*Productivity and Wages in Collective Bargaining.* (In Management Record, National Industrial Conference Board, Inc., New York, August 1953, pp. 281-285, 306-312, illus.)

Summary of proceedings at a round-table conference held at the 37th annual meeting of the National Industrial Conference Board.

*Human Relations in Small Industry.* By John Perry. Washington, U. S. Small Defense Plants Administration, 1953. 68 pp. (Small Business Management Series, 3.) 25 cents, Superintendent of Documents, Washington.

*Successful Labor Relations for Small Business.* By James Menzies Black and J. George Piccoli. New York, McGraw-Hill Book Co., Inc., 1953. xxii, 425 pp. \$6.

*Due Process on the Railroads: Disciplinary Grievance Procedures Before the National Railroad Adjustment Board, First Division.* By Joseph Lazar. Los Angeles, University of California, Institute of Industrial Relations, 1953. 38 pp. \$1.

*Governmental Restraints on Featherbedding.* By Benjamin Aaron. Los Angeles, University of California, Institute of Industrial Relations, 1953. 42 pp. (Reprint 31, from Stanford Law Review, July 1953.)

### Labor Legislation

*Labor Law.* By Paul H. Sanders. (In Vanderbilt Law Review, Nashville, Tenn., August 1953, pp. 1193-1205. \$1.50.)

Summarizes 1953 developments both through court decisions and by legislation.

*The Labor Management Relations<sup>1</sup> [Taft-Hartley] Act and the State's Power To Grant Relief.* By George Rose. (In Virginia Law Review, Charlottesville, October 1953, pp. 765-813. \$1.25.)

*Labor Laws of the State of Arizona.* Phoenix, State Labor Department, Industrial Commission of Arizona, 1953. 102 pp.

*Labor Laws Administered by Labor and Industrial Commission of New Mexico.* Santa Fe, Labor and Industrial Commission, 1953. 36 pp.

*Labor Laws of the State of Oklahoma, 1953 Edition.* Oklahoma City, Department of Labor, 1953. 144 pp.

*A Statement of the Laws of Colombia in Matters Affecting Business.* By German Cavellier. Washington, Pan American Union, Department of International Law, Division of Law and Treaties, 1953. 186 pp. 2d ed.

Includes a 25-page summary of labor and social legislation. A similar report for the Dominican Republic was published recently by the Pan American Union.

### Labor Organizations

*History of Labor and Unionism in the United States (a Selected Bibliography).* Compiled by Ralph E. McCoy. Champaign, University of Illinois, Institute of Labor and Industrial Relations, 1953. 88 pp.; processed. (Bibliographic Contributions, 2.)

*The Communist-Dominated Union Problem.* By Alfred Long Scanlan. (In Notre Dame Lawyer, Notre Dame, Ind., Summer 1953, pp. 458-496. \$1.)

*How Do the Communists Work?* By Victor Feather. London, Batchworth Press, Ltd., 1953. 64 pp. 1s. 6d.

Description of "penetration by Communists of existing democratic institutions, and particularly of trade unions."

*Fifty-sixth Report of Scottish Trades Union Congress, Rothesay, April 15-18, 1953.* Glasgow, Scottish Trades Union Congress, 1953. 306 pp. 2s. 6d.

*Trade Unions and Full Employment.* [Stockholm], Swedish Confederation of Trade Unions [Landsorganisationen i Sverige (LO)], 1953. 109 pp. Kr. 2.

English translation of extracts from a 225-page report of an organization committee appointed in 1946 to study ways of extending LO activities and rendering them more effective. Brief sections on the structure of Swedish trade unionism, and on wage trends and policies, 1950-53, are added in the English version.

*Les Fédérations Syndicales Suisses en 1952.* By Willy Keller. (In Revue Syndicale Suisse, l'Union Syndicale Suisse, Berne, Switzerland, September 1953, pp. 245-262, charts. 1 fr.)

Statistics for 1952 and earlier years showing development of Swiss labor organizations.

### Labor Turnover

*The Cost of Labor Turnover.* Chicago, International Harvester Co., [1953]. 39 pp., charts; processed.

Analyzes the cost to the International Harvester Co. of labor turnover in 1951, broken down by type of cost (recruiting and training of workers, tools, materials, etc.).

*Hiring and Separation Rates in Certain Industries, [Canada], September 1950 to August 1952.* Ottawa, Department of Trade and Commerce, Dominion Bureau of Statistics, 1953. 41 pp. 25 cents.

### Manpower

*Annual Report on the Labor Force, 1952.* Washington, U. S. Department of Commerce, Bureau of the Census, 1953. 29 pp., chart. (Current Population Reports, Labor Force, Series P-50, No. 45.)

Gives data on the total civilian labor force, on agricultural and nonagricultural employment, and on unemployment by age and sex of workers and other breakdowns.

*Manpower: The Nation's First Resource.* Washington, National Planning Association, Special Committee on Manpower Policy, 1953. 55 pp., bibliography. (Planning Pamphlet 83.) \$1.

*Proceedings of the Second Conference on Scientific Manpower, December 1952.* Washington, National Science Foundation, [1953?]. 47 pp.

*Scientific Research and Development in American Industry—A Study of Manpower and Costs.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1953. 106 pp., charts. (Bull. 1148.) 50 cents, Superintendent of Documents, Washington.

*Health Manpower Source Book: Section 2, Nursing Personnel.* By Helen G. Tibbitts and Eugene Levine. Washington, U. S. Department of Health, Education, and Welfare, Public Health Service, 1953. 88 pp., bibliography. (Pub. 263, Sec. 2.) 40 cents, Superintendent of Documents, Washington.

In addition to data on the supply of nurses in different fields of practice during varying periods down to 1952, the report contains information on median monthly earnings (1946 and 1949) and on characteristics of nurses such as age, sex, marital status, and education.

### Migration and Migrants

*L'Émigration d'Europe vers les Pays d'Outre-Mer.* By G. Koulischer. (In *Revue du Travail*, Ministère du Travail et de la Prévoyance Sociale de Belgique, Brussels, June 1953, pp. 561-577.)

Reviews European emigration trends during first half of present century and discusses present-day problems.

*Migrant Workers (Underdeveloped Countries).* Geneva, International Labor Office, 1953. 129 pp. 75 cents. Distributed in United States by Washington Branch of ILO.

Report V (1) prepared for 37th session of International Labor Conference, 1954. Following a brief review of the background of ILO activities concerning migration, the report takes up the nature and extent of labor migration and measures to mitigate its consequences in countries of Africa, Asia, and Latin America. The situation of migrant workers at places of employment in some of the countries is also discussed.

### Occupations

*Jobs That Take You Places.* By Joseph Leeming. New York, David McKay Co., Inc., 1953. 244 pp., bibliographies. Rev. ed. \$3.

*Employment Outlook in the Automobile Industry.* By E. Eleanor Rings and Arthur D. Rosenberg. Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1953. 33 pp., charts, illus. (Bull. 1138.) 25 cents, Superintendent of Documents, Washington.

*Occupational Therapy as a Career.* Washington, U. S. Department of Labor, Women's Bureau, 1953. 7 pp., illus. (Leaflet 16.) 5 cents, Superintendent of Documents, Washington.

*Preparing Tomorrow's Nurses.* By Elizabeth Ogg. New York, Public Affairs Committee, Inc., 1952. 32 pp., bibliography, charts, illus. (Public Affairs Pamphlet 185.) 25 cents.

### Older Workers and the Aged

*Enriching the Years.* Albany, New York State Joint Legislative Committee on Problems of the Aging, 1953. 199 pp., charts, illus.

The annual reports of the committee, since its establishment in 1947, have been notable contributions to informed understanding of the problems of aging. This 1953 report includes data on a revealing study of destitute aged on the old-age assistance rolls in a New York community.

*Proceedings of the Second Joint Conference on the Problem of Making a Living While Growing Old: Age Barriers to Employment.* Philadelphia, Temple University, School of Business and Public Administration, Bureau of Economic and Business Research; Harrisburg, Pennsylvania Department of Labor and Industry, Bureau of Employment Security, 1953. 414 pp.

*Retirement and Its Problems.* (In *Management Record*, National Industrial Conference Board, Inc., New York, September 1953, pp. 325-328, 340-347.)

Papers presented at a round-table conference on problems of retirement and on current trends in pension plans.

*When Should a Worker Be Retired?* By Ron Stever. Berkeley, California Personnel Management Association, Research Division, 1953. 11 pp.; processed. (Management Report 170.) \$1.

### Social Security (General)

*The Future of Social Security in America.* By Arthur J. Altmeyer. (In *Social Service Review*, Chicago, September 1953, pp. 251-268. \$1.75.)

*Long-Range Cost Estimates for Old-Age and Survivors Insurance, 1953.* By Robert J. Myers and Eugene A. Rasor. Washington, U. S. Department of Health, Education, and Welfare, Social Security Administration, Division of the Actuary, 1953. 56 pp., charts. (Actuarial Study 36.) Limited free distribution.

*Present Values of OASI Benefits in Current Payment Status, 1940-52.* By Louis O. Shudde. Washington, U. S. Department of Health, Education, and Welfare, Social Security Administration, Division of the Actuary, 1953. 15 pp. (Actuarial Study 35.) Limited free distribution.

*Proceedings of 30th Annual Meeting [of] National Council on Teacher Retirement of the National Education Association, February 16-17, 1953, Atlantic City, N. J.* [Trenton, N. J. (P. O. Box 1780), John A. Wood, Secretary of the Council], 1953. 87 pp.

A number of the addresses concern potential coordination of present State systems with the Federal old-age and survivors insurance program.

*Salarios y Seguridad Social.* By D. Manuel Alonso Olea. (In *Revista Iberoamericana de Seguridad Social*,



Madrid, March-April 1953, pp. 225-271.)

The subject is discussed in terms of the employer's labor costs in Spain and the payments and benefits received directly and indirectly by the worker.

*Social Security Trends in Spain.* By Luis Jordana de Pozas. (In Bulletin of the International Social Security Association, Geneva, April-May 1953, pp. 141-154.)

### Wages, Salaries, and Hours of Labor

*Occupational Wage Survey: Buffalo, N. Y. (Erie and Niagara Counties), April 1953.* Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1953. 21 pp. (Bull. 1116-20.) 20 cents, Superintendent of Documents, Washington.

This is the final bulletin in a series on occupational wage surveys in 20 cities during late 1952 and early 1953. For list of cities, see table 1, p. 1282 of this issue.

*Professional Engineers' Income and Salary Survey, [1952]* Washington, National Society of Professional Engineers, [1953]. 27 pp., charts, maps. \$1.

*Wage Chronology 35: Pennsylvania Greyhound Lines, Inc., 1945-52.* By Albert A. Belman. Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1953. 11 pp. (Serial R. 2104; reprinted from Monthly Labor Review, July 1953.) Free.

*Wage Chronology 39: A. T. & T.—Long Lines Department, 1940-52.* By Albert A. Belman. Washington, U. S. Department of Labor, Bureau of Labor Statistics, 1953. 12 pp. (Serial R. 2106; reprinted from Monthly Labor Review, August 1953.) Free.

*Regarding the Determinants of Union Wage Policy.* By Carl M. Stevens. (In Review of Economics and Statistics, Cambridge, Mass., August 1953, pp. 221-228. \$2.)

### Women in Industry

*The Status of Women in the United States, 1953.* Washington, U. S. Department of Labor, Women's Bureau, 1953. 26 pp. (Bull. 249.) 15 cents, Superintendent of Documents, Washington.

*State Minimum-Wage Laws and Orders, July 1, 1942-March 1, 1953.* Washington, U. S. Department of Labor, Women's Bureau, 1953. 93 pp. (Bull. 247.) 50 cents, Superintendent of Documents, Washington.

*State Minimum-Wage Order Provisions Affecting Working Conditions, July 1, 1942, to September 15, 1953.* Washington, U. S. Department of Labor, Women's Bureau, 1953. 75 pp.; processed. (D-67.) Free.

*Progress Toward Equal Pay in the Meat-Packing Industry.* Washington, U. S. Department of Labor, Women's

Bureau, 1953. 16 pp. (Bull. 251.) 10 cents, Superintendent of Documents, Washington.

### Miscellaneous

*Labor Problems: Cases and Readings.* By George P. Shultz and John R. Coleman. New York, McGraw-Hill Book Co., Inc., 1953. 456 pp. \$4.50.

Presents descriptions of specific cases and viewpoints illustrating a wide range of labor problems, for use as a supplement to standard texts in the field.

*Pensions and Profit Sharing.* By George B. Buck, Jr., and others. Washington, Bureau of National Affairs, Inc., 1953. 272 pp., forms. \$5.50.

*The Writings of the Gilbreths.* Edited by William R. Spriegel and Clark E. Myers. Homewood, Ill., Richard D. Irwin, Inc., 1953. 513 pp. \$7.35.

*Labor Resources and Labor Income in Virginia: Vol. I, Labor Resources; Vol. II, Labor Income and Per Capita Income.* Report to Advisory Council on the Virginia Economy. Richmond, Department of Conservation and Development, Division of Planning and Economic Development, 1953. 100 and 42 pp.; Supplement to Vol. I, 23 pp.; processed.

*Irish Statistical Survey, 1951-52.* Dublin, Central Statistics Office, 1953. 63 pp., charts. 3s., Government Publications Sale Office, Dublin.

Data on price and earnings indexes, employment, and unemployment are included.

*Report of the Director General [of the International Labor Organization to the] Asian Regional Conference, Tokyo, September 1953.* Geneva, International Labor Office, 1953. 91 pp. 50 cents. Distributed in United States by Washington Branch of ILO.

Major subjects covered by the report are the economic factors affecting living standards in Asian countries, 1950-53; planning for economic development; trends in social policy; and activities of the ILO directed toward Asia.

*Japan Statistical Yearbook, 1952.* Tokyo, Prime Minister's Office, Bureau of Statistics, 1953. 472 pp. In Japanese and English.

Contains sections on prices, wages, employment, industrial disputes, industrial accidents, labor unions, housing, and social insurances.

*Statistical Notes of Japan, No. 1.* Tokyo, Prime Minister's Office, Administrative Management Agency, Statistical Standards Division, March 1953. 45 pp.

This first number of a new serial, which the issuing office plans to publish semiannually, describes the principal statistical activities of the Japanese Government and summarizes laws pertaining to the collection and reporting of statistics. It includes sections on the labor force survey, the consumer price index, and national income.

# Current Labor Statistics

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NOTE.—Beginning with the May 1953 issue, data shown in tables A-2, A-3, A-4, A-5, C-1, C-2, C-3, and C-4 have been revised because of adjustment to more recent benchmark levels. These data cannot be used with those appearing in previous issues of the Monthly Labor Review. Comparable data for earlier years are available upon request to the Bureau of Labor Statistics.

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## A: Employment and Payrolls

TABLE A-1: Estimated total labor force classified by employment status, hours worked, and sex

(In thousands)

Labor force status <sup>1</sup>	Estimated number of persons 14 years of age and over <sup>1</sup>											
	1953											
	1952											
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.
Total, both sexes												
Total labor force	(*)	(*)	(*)	(*)	(*)	(*)	60,338	60,679	60,255	60,959	60,309	60,747
Civilian labor force	63,404	63,552	64,648	64,668	64,734	62,904	62,810	63,134	62,712	62,416	62,921	63,646
Unemployment	1,162	1,246	1,240	1,548	1,562	1,306	1,582	1,674	1,788	1,892	1,412	1,418
Unemployed 4 weeks or less	727	817	724	924	1,042	818	812	930	1,018	822	850	704
Unemployed 5-10 weeks	236	234	278	368	212	326	376	394	480	458	280	312
Unemployed 11-14 weeks	72	54	88	104	96	116	146	188	132	150	102	86
Unemployed 15-26 weeks	82	81	88	78	124	150	166	184	160	178	160	104
Unemployed over 26 weeks	46	50	62	74	88	58	70	96	86	92	97	78
Employment	62,242	62,306	63,408	63,120	63,172	61,598	61,228	61,460	60,924	60,524	61,509	62,228
Nonagricultural	55,083	55,044	56,134	55,492	55,246	55,268	55,158	55,740	55,558	55,072	55,812	55,454
Worked 35 hours or more	46,957	47,767	45,598	43,196	46,304	45,988	45,478	46,030	44,992	45,244	47,037	45,950
Worked 15-34 hours	4,906	18,114	4,482	5,054	4,924	5,008	5,690	5,712	6,368	5,776	5,331	5,934
Worked 1-14 hours <sup>2</sup>	1,711	1,543	1,260	1,224	1,468	1,926	2,074	2,326	2,172	1,992	1,958	2,002
With a job but not at work <sup>3</sup>	1,559	2,620	4,794	5,018	2,550	1,746	1,946	1,672	2,026	2,063	1,476	1,568
Agricultural	7,159	7,262	7,274	7,628	7,926	6,390	6,070	5,728	5,366	5,452	5,967	6,774
Worked 35 hours or more	5,713	5,772	5,512	5,808	6,334	4,346	4,334	3,822	3,516	3,404	3,877	5,254
Worked 15-34 hours	1,175	1,291	1,442	1,436	1,346	1,578	1,320	1,324	1,260	1,532	1,323	1,908
Worked 1-14 hours <sup>2</sup>	185	154	190	186	173	230	194	250	254	218	248	194
With a job but not at work <sup>3</sup>	86	76	130	108	68	246	222	324	336	268	249	128
Males												
Total labor force	(*)	(*)	(*)	(*)	(*)	(*)	47,379	47,390	47,188	46,829	46,580	46,571
Civilian labor force	43,626	43,917	45,056	45,260	44,862	43,848	43,898	43,892	43,692	43,334	43,240	43,218
Unemployment	736	768	814	1,024	1,024	898	1,104	1,108	1,244	1,360	965	814
Employment	42,890	43,149	44,242	44,236	43,838	42,950	42,794	42,784	42,448	41,974	42,275	42,404
Nonagricultural	37,241	37,370	38,204	38,042	37,628	37,470	37,498	37,758	37,646	37,166	37,373	36,916
Worked 35 hours or more	33,319	34,173	32,680	31,248	33,166	32,582	32,382	32,680	32,066	32,046	33,215	32,376
Worked 15-34 hours	2,383	10,968	2,112	2,660	2,258	2,822	2,918	3,048	3,250	2,918	2,430	2,858
Worked 1-14 hours <sup>2</sup>	648	590	514	470	634	894	904	984	810	767	698	658
With a job but not at work <sup>3</sup>	991	1,699	2,898	3,664	1,568	1,212	1,294	1,060	1,346	1,392	961	984
Agricultural	5,649	5,779	6,038	6,194	6,212	5,480	5,296	5,026	4,802	4,808	4,902	5,488
Worked 35 hours or more	4,848	4,891	5,052	5,350	5,458	4,134	4,130	3,610	3,374	3,248	3,618	4,616
Worked 15-34 hours	595	707	726	630	568	560	546	546	530	512	506	642
Worked 1-14 hours <sup>2</sup>	127	109	159	130	122	184	140	188	204	178	200	112
With a job but not at work <sup>3</sup>	78	71	110	94	64	202	180	282	294	254	221	118
Females												
Total labor force	(*)	(*)	(*)	(*)	(*)	(*)	18,959	19,289	19,067	19,130	19,729	20,476
Civilian labor force	19,778	19,635	19,592	19,408	19,872	19,116	18,912	19,242	19,020	19,082	19,681	20,428
Unemployment	425	478	426	524	538	408	478	569	544	532	447	604
Employment	19,353	19,157	19,166	18,884	19,334	18,708	18,434	18,678	18,476	18,550	19,234	19,824
Nonagricultural	17,842	17,674	17,930	17,450	17,620	17,798	17,690	17,982	17,912	17,906	18,439	18,538
Worked 35 hours or more	13,638	8,594	12,918	11,948	13,138	13,406	13,096	13,344	12,926	13,198	13,822	13,574
Worked 15-34 hours	2,624	7,146	2,379	2,394	2,666	2,786	2,742	2,664	3,118	2,858	2,901	3,076
Worked 1-14 hours <sup>2</sup>	1,953	983	716	754	834	1,072	1,170	1,392	1,188	1,182	1,201	1,304
With a job but not at work <sup>3</sup>	518	951	1,896	2,354	982	534	652	582	680	698	515	584
Agricultural	1,510	1,484	1,236	1,434	1,714	910	774	694	564	644	798	1,286
Worked 35 hours or more	865	880	460	548	876	212	204	212	142	186	262	638
Worked 15-34 hours	580	554	716	816	778	618	474	378	330	404	457	556
Worked 1-14 hours <sup>2</sup>	58	45	40	56	56	46	54	62	50	40	48	82
With a job but not at work <sup>3</sup>	7	8	29	14	4	34	42	42	42	44	28	10

<sup>1</sup> Estimates are subject to sampling variation which may be large in cases where the quantities shown are relatively small. Therefore, the smaller estimates should be used with caution. All data exclude persons in institutions. Because of rounding, the individual figures do not necessarily add to group totals.

<sup>2</sup> Beginning with January 1953, figures are not entirely comparable with those for previous months as a result of the introduction of materials from the 1950 Census into the estimating procedure used in deriving current labor force estimates. However, the differences are minor in most respects. In addition, revised estimating procedure, instituted in September 1953, resulted in some slight discontinuities in the series on agricultural and non-agricultural employment. For explanation, see Census Bureau's Current Population Reports, Series P-57, Nos. 129 and 135, Monthly Report on the Labor Force for March and September 1953. Also, the total labor force beginning January 1953 includes an additional 150,000 members of the Armed Forces—the number overseas in 1940 who had been omitted from the 1940 Census and subsequent current estimates.

<sup>3</sup> Census survey week contained legal holiday.

<sup>4</sup> Total labor force, which consists of the civilian labor force and the Armed Forces, is not shown for the most recent months because of security restrictions.

<sup>5</sup> Excludes persons engaged only in incidental unpaid family work (less than 15 hours); these persons are classified as not in the labor force.

<sup>6</sup> Includes persons who had a job or business, but who did not work during the census week because of illness, bad weather, vacation, labor dispute, or because of temporary layoff with definite instructions to return to work within 30 days of layoff. Does not include unpaid family workers.

Source: U. S. Department of Commerce, Bureau of the Census.



TABLE A-2: Employees in nonagricultural establishments, by industry division and group<sup>1</sup>

(In thousands)

Industry group and industry	1953												1952		Annual average	
	Oct.	Sept.	Aug.	July	June	May	April	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	1952	1951	
Total employees	49,580	49,632	49,410	49,215	49,416	49,058	48,860	48,685	48,369	48,382	50,140	49,310	49,095	47,903	47,202	
Mining	811	826	830	823	835	831	835	846	856	866	870	871	871	872	913	
Metal	99.9	100.0	99.9	100.2	101.0	99.9	99.7	100.2	101.3	101.7	101.9	101.3	98.8	96.4	100.2	
Iron		40.3	40.2	40.3	40.1	39.6	38.6	38.0	37.9	38.4	38.8	38.9	39.0	33.3	37.7	
Copper		27.7	27.7	27.5	27.8	27.2	27.5	27.7	27.5	27.2	27.0	26.5	24.6	25.9	25.7	
Lead and zinc		15.4	15.9	16.1	17.0	17.3	17.9	18.4	19.2	19.6	19.6	19.5	19.3	20.8	20.4	
Anthracite		50.2	50.2	48.6	53.6	55.6	51.2	57.4	59.7	60.5	62.0	62.3	62.5	63.4	69.1	
Bituminous coal	284.3	291.4	290.7	290.1	290.2	300.4	309.6	318.4	325.4	330.7	331.2	330.7	330.4	333.8	372.0	
Crude-petroleum and natural-gas production		279.8	283.9	279.7	276.2	271.4	272.1	270.9	272.0	275.0	273.4	271.8	273.6	276.0	269.3	
Nonmetallic mining and quarrying	104.1	105.0	105.3	104.8	104.7	103.6	102.3	99.2	97.8	97.0	101.6	104.8	105.6	102.3	102.0	
Contract construction	2,705	2,700	2,703	2,662	2,608	2,569	2,416	2,301	2,280	2,303	2,497	2,648	2,728	2,572	2,588	
Nonbuilding construction		567	575	546	530	499	456	410	403	402	400	524	569	701	460	
Highway and street		261.8	268.7	253.4	241.8	219.4	186.8	155.2	159.3	147.4	176.5	222.3	250.3	207.9	201.3	
Other nonbuilding construction		305.6	306.3	292.1	287.8	280.0	269.6	255.0	252.4	254.6	283.9	301.2	318.7	253.3	289.0	
Building construction		2,133	2,128	2,116	2,078	2,010	1,960	1,891	1,877	1,901	2,037	2,124	2,159	2,071	2,098	
General contractors		951.1	961.9	952.2	925.5	888.4	861.6	823.2	813.2	824.1	888.6	940.4	960.9	919.6	950.2	
Special-trade contractors		1,182.3	1,166.2	1,163.3	1,152.9	1,121.8	1,098.8	1,068.1	1,063.5	1,076.6	1,148.8	1,183.8	1,198.0	1,181.3	1,147.3	
Plumbing and heating		208.5	205.0	208.1	203.3	203.1	207.1	207.5	207.0	207.0	206.5	206.8	206.8	206.3	206.9	
Painting and decorating		159.1	166.1	160.6	153.9	148.2	140.9	133.3	128.9	128.7	148.3	162.6	166.3	156.5	155.7	
Electrical work		157.9	155.8	154.5	150.6	149.2	148.2	147.2	148.8	150.3	154.3	153.2	154.6	151.3	139.5	
Other special-trade contractors		566.8	549.3	560.1	565.1	546.3	531.6	510.1	506.2	515.1	554.7	571.2	580.3	557.3	565.3	
Manufacturing	17,011	17,215	17,265	17,069	17,162	17,040	17,077	17,135	17,013	16,884	16,952	16,874	16,778	16,209	16,082	
Durable goods <sup>1</sup>	9,873	9,952	10,019	10,067	10,121	10,096	10,117	10,103	9,989	9,880	9,856	9,759	9,594	9,262	9,071	
Nondurable goods <sup>2</sup>	7,138	7,263	7,246	7,062	7,041	6,944	6,960	7,032	7,024	7,004	7,096	7,124	7,184	6,946	7,011	
Ordinance and accessories	205.6	206.5	207.0	210.8	206.6	203.0	195.6	190.5	184.1	181.0	178.6	176.6	176.2	166.4	77.0	
Food and kindred products	1,628.7	1,715.0	1,687.5	1,618.0	1,627.3	1,470.6	1,441.7	1,436.5	1,442.0	1,455.7	1,504.7	1,554.8	1,630.4	1,538.5	1,544.1	
Meat products		305.3	302.7	302.7	290.7	293.5	294.6	290.2	303.0	312.6	321.0	317.9	308.6	309.8	306.1	
Dairy products		127.4	132.8	135.3	134.2	127.0	122.1	118.2	116.0	114.4	115.9	117.5	121.1	123.4	125.2	
Canning and preserving		361.0	339.4	274.1	194.5	174.5	162.0	150.3	156.3	159.8	171.0	199.7	280.8	217.1	230.3	
Grain-mill products		127.8	127.2	128.9	127.3	122.6	121.1	122.9	123.9	125.5	126.5	123.8	126.3	124.8	121.2	
Bakery products		230.1	230.0	230.7	230.7	230.8	233.2	234.2	233.6	232.5	237.2	230.3	234.5	234.6	231.2	
Sugar		32.8	30.0	30.2	28.5	27.5	27.2	27.8	28.1	30.3	30.2	30.9	49.3	33.4	34.9	
Confectionery and related products		89.0	82.5	75.5	78.1	75.7	79.1	84.0	86.3	86.8	92.0	94.4	94.4	86.2	87.9	
Beverages		235.4	240.0	237.8	231.4	224.2	217.1	213.6	208.4	210.4	215.7	219.6	221.7	220.8	217.6	
Miscellaneous food products		146.2	142.9	144.8	143.9	137.8	135.3	136.3	136.4	133.5	136.2	140.7	143.7	138.5	139.5	
Tobacco manufactures	123.4	125.5	116.6	93.5	93.4	93.6	94.0	96.4	102.6	110.0	117.6	117.8	125.9	107.0	104.4	
Cigarettes		31.7	31.3	30.6	31.4	31.6	31.6	31.4	30.9	31.2	31.2	31.2	30.9	30.4	29.0	
Cigars		41.7	41.1	40.6	41.4	41.3	41.2	42.0	41.9	41.9	42.2	42.8	42.8	41.8	40.9	
Tobacco and snuff		8.8	8.6	8.5	8.9	8.9	8.9	9.0	8.9	9.0	9.1	9.2	9.2	9.2	9.4	
Tobacco stemming and redrying		43.3	35.6	14.4	11.7	11.8	12.3	14.0	20.9	27.9	35.1	34.6	43.0	26.5	25.1	
Textile-mill products	1,175.7	1,195.8	1,201.1	1,192.1	1,220.1	1,214.4	1,216.7	1,231.8	1,231.3	1,227.0	1,243.0	1,242.8	1,230.2	1,201.7	1,272.7	
Scouring and combing plants		7.0	7.2	7.2	7.0	6.7	6.6	6.5	6.9	6.9	6.9	6.7	6.8	6.4	6.8	
Yarn and thread mills		150.9	153.4	150.9	154.9	153.3	153.6	156.6	156.1	156.8	157.7	158.1	157.6	154.2	165.2	
Broad-woven fabric mills		513.5	514.9	519.3	526.6	523.8	523.3	528.2	531.2	531.8	537.9	535.7	532.5	527.9	576.1	
Narrow fabrics and smallwares		35.0	34.8	34.5	35.1	35.0	34.2	35.4	35.3	35.1	35.2	35.4	34.9	33.2	34.7	
Knitting mills		251.3	253.5	248.5	254.7	254.0	254.4	257.0	253.8	251.4	257.7	260.3	257.1	244.5	244.6	
Dyeing and finishing textiles		94.2	94.0	92.2	94.0	93.9	95.8	97.0	97.7	97.2	97.8	98.1	96.9	94.2	94.5	
Carpets, rugs, other floor coverings		55.5	53.8	52.7	56.7	56.5	58.3	58.5	58.4	57.8	58.5	58.3	55.4	54.5	59.6	
Hats (except cloth and millinery)		17.1	18.1	17.8	18.1	18.6	17.2	19.2	19.1	18.6	18.6	18.0	17.6	17.1	17.7	
Miscellaneous textile goods		71.6	71.4	69.0	73.0	72.6	73.3	73.4	72.8	72.6	72.8	72.2	71.4	69.6	73.5	
Apparel and other finished textile products	1,213.5	1,220.6	1,230.9	1,178.6	1,200.1	1,187.2	1,212.3	1,266.1	1,264.4	1,234.5	1,239.4	1,232.1	1,229.5	1,190.8	1,187.1	
Men's and boys' suits and coats		142.6	142.4	131.0	140.7	138.6	137.8	139.8	137.8	132.6	134.1	135.4	136.8	132.5	142.2	
Men's and boys' furnishings and work clothing		313.2	314.6	299.1	311.0	310.8	311.1	310.9	306.6	300.9	302.4	301.8	300.4	286.1	283.4	
Women's outerwear		364.6	380.5	354.9	349.7	338.4	350.1	339.8	402.2	391.8	388.1	372.7	370.9	371.7	366.5	
Women's, children's undergarments		108.3	107.2	105.9	108.5	110.9	113.1	113.5	112.1	109.7	112.2	114.7	113.5	106.4	101.5	
Children's outerwear		21.5	22.7	20.4	17.4	17.9	21.6	22.2	27.5	25.8	22.8	20.6	22.8	23.2	22.6	
Millinery		64.1	66.8	65.0	67.8	65.2	63.8	67.5	68.6	66.7	65.1	65.7	66.4	64.9	61.4	
Fur goods		8.9	10.3	11.7	12.0	9.8	7.2	8.7	9.0	10.7	12.4	14.0	12.3	12.0	13.6	
Miscellaneous apparel and accessories		65.5	65.8	63.1	64.5	64.6	65.3	65.4	64.5	62.7	66.9	70.5	70.6	65.1	68.7	
Other fabricated textile products		131.9	129.6	127.5	128.5	131.0	133.3	136.3	136.1	133.6	135.4	136.7	135.8	129.0	127.3	

See footnotes at end of table.

TABLE A-2: Employees in nonagricultural establishments, by industry division and group <sup>1</sup>—Continued

Industry group and industry	1953											1952		Annual average	
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	1952	1951
<b>Manufacturing—Continued</b>															
Lumber and wood products (except furniture)	774.6	781.4	792.4	786.6	800.1	782.2	799.7	757.1	745.8	744.3	771.6	798.4	795.0	782.0	834.4
Logging camps and contractors		81.7	84.7	85.5	89.6	83.7	75.7	72.6	65.2	63.6	74.7	88.1	78.4	84.0	101.4
Sawmills and planing mills		461.4	467.5	460.2	465.7	456.3	450.4	441.2	437.5	438.1	432.5	464.2	472.7	457.8	477.4
Millwork, plywood, and prefabricated structural wood products		119.8	126.0	120.1	123.1	121.3	122.7	120.9	121.0	121.3	122.0	123.0	124.8	118.9	128.4
Wooden containers		59.2	60.2	61.2	61.8	61.5	61.0	61.2	61.0	61.1	62.1	61.0	58.7	61.0	65.8
Miscellaneous wood products		59.3	60.0	59.6	59.9	59.4	59.9	61.2	61.1	60.2	60.3	60.1	60.4	60.4	63.4
Furniture and fixtures	369.7	371.9	371.6	369.9	371.6	376.5	383.0	387.1	385.5	382.6	382.6	381.7	375.4	361.0	391.3
Household furniture		262.6	262.9	261.4	264.2	269.4	275.5	279.8	278.1	275.2	275.9	274.3	269.4	257.1	257.1
Office, public building, and professional furniture		39.5	39.7	39.2	39.0	39.6	40.0	40.1	40.1	40.1	40.3	40.2	40.1	39.9	40.7
Partitions, shelving, lockers, and fixtures		37.0	37.5	37.1	36.7	36.3	36.3	35.9	36.4	36.6	36.3	35.9	35.5	34.1	34.4
Screens, blinds, and miscellaneous furniture and fixtures		32.8	31.5	32.2	31.7	31.2	31.2	31.3	30.9	30.7	31.2	31.3	30.6	29.9	29.1
Paper and allied products	540.4	544.2	541.2	533.4	535.9	538.5	527.7	527.3	523.2	522.1	526.6	520.7	516.7	505.6	511.5
Pulp, paper, and paperboard mills		268.6	267.3	265.4	264.9	261.4	260.7	261.6	261.5	261.4	262.4	257.4	256.8	257.1	258.7
Paperboard containers and boxes		147.4	146.2	141.2	143.8	140.9	141.3	140.8	138.9	138.6	141.0	140.5	138.1	129.6	131.9
Other paper and allied products		128.2	127.7	126.8	127.2	126.2	125.7	124.9	122.8	122.1	123.2	122.8	121.8	119.0	121.0
Printing, publishing, and allied industries	796.6	786.8	776.7	775.5	779.7	775.1	774.3	774.3	771.8	772.5	780.6	779.5	774.5	762.9	755.5
Newspapers		295.0	293.0	292.3	293.8	292.5	291.5	290.5	290.2	290.2	291.6	290.8	289.4	286.8	282.2
Periodicals		66.3	64.7	65.0	65.0	65.3	65.4	66.3	66.7	66.6	67.4	67.3	65.5	64.1	61.1
Books		48.1	47.3	46.9	46.9	46.6	46.8	47.4	47.0	46.5	46.1	45.8	45.1	45.2	45.1
Commercial printing		195.4	192.1	192.7	194.3	193.2	193.8	194.0	194.1	195.8	196.7	195.3	194.7	192.8	193.4
Lithographing		55.3	53.9	53.3	54.1	53.0	53.3	53.2	52.7	52.8	54.9	55.1	54.5	52.9	53.5
Greeting cards		19.3	19.1	18.9	18.9	17.6	17.2	17.5	17.6	17.7	19.3	21.2	20.3	18.2	18.5
Bookbinding and related industries		45.5	45.2	45.0	44.9	44.5	44.3	43.9	43.4	44.0	44.1	44.0	43.7	42.9	42.7
Miscellaneous publishing and printing services		61.9	61.4	61.4	61.8	61.8	62.0	61.5	61.1	60.7	60.5	60.0	60.3	59.9	59.0
Chemicals and allied products	761.7	757.2	754.0	751.7	751.2	754.7	762.7	761.3	752.2	749.0	750.6	749.1	748.7	741.7	742.8
Industrial inorganic chemicals		84.9	85.5	86.0	84.7	84.0	83.4	83.0	82.3	81.7	81.5	81.2	81.0	81.9	81.5
Industrial organic chemicals		278.0	281.2	280.3	278.1	274.4	272.2	270.6	267.9	267.1	264.4	262.6	259.0	259.3	259.3
Drugs and medicines		93.1	92.6	92.8	94.6	94.2	95.0	95.3	95.3	95.2	98.4	98.1	97.9	98.4	95.6
Soap, cleaning and polishing preparations		49.6	49.3	49.3	49.7	49.9	50.5	50.5	50.1	49.4	48.6	49.5	49.9	49.8	51.6
Paints, pigments, and fillers		75.7	76.4	76.6	75.0	75.4	75.5	75.0	74.3	73.7	73.4	73.6	73.1	73.1	73.9
Gum and wood chemicals		7.6	7.5	7.5	7.4	7.6	7.9	7.8	7.6	7.6	7.2	7.2	7.7	7.9	8.3
Fertilizers		33.2	31.5	30.3	33.0	38.6	45.8	41.4	39.2	34.8	33.0	32.7	33.9	35.8	35.4
Vegetable and animal oils and fats		43.8	38.3	36.4	37.3	38.2	39.9	42.6	44.2	45.8	48.0	49.2	49.5	44.2	46.8
Miscellaneous chemicals		91.3	91.7	92.5	92.8	92.4	92.5	92.1	91.3	90.2	91.9	92.7	92.7	91.7	90.3
Products of petroleum and coal	260.0	264.2	266.5	266.3	264.3	261.0	260.3	259.0	258.2	258.3	260.7	261.5	262.8	253.9	252.7
Petroleum refining		210.7	211.8	211.4	209.4	206.8	207.0	206.3	206.0	206.6	207.1	207.1	207.6	203.1	198.6
Coke and other petroleum and coal products		53.5	54.7	54.9	54.9	54.2	53.3	52.7	52.2	51.7	53.1	54.4	55.2	51.8	54.1
Rubber products	263.9	270.5	271.0	269.5	276.3	276.3	276.6	276.4	274.8	275.1	274.6	272.2	267.5	262.3	263.3
Tires and inner tubes		114.5	115.2	115.1	118.1	118.7	118.2	117.5	116.9	117.3	117.6	116.9	116.1	116.1	111.2
Rubber footwear		29.7	29.4	29.1	29.1	28.9	29.4	29.8	29.8	30.1	30.7	30.2	29.8	28.3	29.2
Other rubber products		126.3	126.4	125.3	129.1	128.7	129.0	129.1	128.1	127.7	126.3	125.1	121.6	117.9	123.0
Leather and leather products	374.1	383.2	391.4	383.8	390.2	382.4	393.3	402.5	403.1	398.7	397.8	393.7	391.8	381.9	376.9
Leather: tanned, curried, and finished		46.8	47.1	46.8	47.6	46.9	46.8	47.4	47.8	48.3	48.7	48.4	47.7	46.5	48.0
Industrial leather belting and packing		5.1	5.3	5.3	5.4	5.7	5.8	5.7	5.6	5.6	5.5	5.4	5.2	5.1	5.5
Boot and shoe cut stock and findings		16.4	17.5	17.7	18.0	16.9	18.1	18.8	19.3	19.2	18.9	18.0	17.4	17.5	16.8
Footwear (except rubber)		246.5	254.0	248.8	254.5	249.2	255.4	261.7	261.9	259.9	256.1	249.6	248.9	246.7	241.0
Luggage		18.9	18.6	18.2	19.2	19.2	19.1	18.4	18.5	18.1	18.9	19.1	19.0	17.5	15.9
Handbags and small leather goods		30.0	29.4	28.2	26.7	26.1	26.7	32.2	32.1	30.1	29.7	31.7	32.0	29.6	29.4
Gloves and miscellaneous leather goods		19.5	19.5	18.7	18.8	18.4	18.4	18.3	17.9	17.5	20.0	21.8	21.6	19.4	20.3
Stone, clay, and glass products	544.4	549.0	546.8	538.9	547.7	543.0	544.1	541.2	533.9	531.3	538.9	541.6	539.9	527.9	531.2
Flat glass		35.9	35.5	35.1	34.9	35.0	35.3	35.4	35.6	35.7	35.7	35.1	34.3	32.6	33.2
Glass and glassware, pressed or blown		105.7	103.7	100.4	105.4	104.2	104.3	103.6	101.1	99.9	100.6	101.4	100.3	96.2	98.0
Glass products made of purchased glass		16.2	16.4	16.3	16.9	17.0	17.7	17.5	17.0	17.2	17.3	17.3	16.7	16.2	16.7
Cement, hydraulic		41.7	41.9	41.8	40.9	41.0	40.6	40.6	40.6	40.7	40.5	41.0	39.9	40.6	40.6
Structural clay products		78.6	79.3	80.0	80.3	78.0	77.5	76.9	75.4	75.6	79.1	80.6	81.4	80.9	85.2
Pottery and related products		54.2	53.1	48.5	54.3	55.1	56.3	57.0	56.6	56.6	57.0	57.2	57.3	57.2	63.0
Concrete, gypsum, and plaster products		107.9	108.3	108.1	105.8	104.7	104.1	101.6	100.1	99.2	101.9	103.2	103.1	100.7	101.5
Cut-stone and stone products		18.9	18.9	18.4	18.5	17.9	18.3	18.3	18.1	17.9	18.2	18.4	18.4	17.5	18.9
Miscellaneous nonmetallic mineral products		89.9	89.7	90.3	90.7	90.1	90.0	90.3	89.4	88.7	88.4	87.0	87.4	86.0	94.2

See footnotes at end of table.

TABLE A-2: Employees in nonagricultural establishments, by industry division and group <sup>1</sup>—Continued

Industry group and industry	1953												1952		Annual average	
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	1952	1951	
<b>Manufacturing—Continued</b>																
Primary metal industries	1,304.7	1,320.6	1,333.4	1,336.9	1,346.0	1,338.4	1,343.9	1,343.6	1,338.9	1,335.8	1,330.6	1,317.6	1,308.8	1,227.4	1,313.0	
Blast furnaces, steel works, and rolling mills	656.0	666.7	665.1	662.1	655.9	656.6	656.5	654.4	653.0	649.7	645.1	643.3	640.8	570.7	643.5	
Iron and steel foundries	239.2	241.3	243.1	248.7	250.5	253.2	253.2	253.7	255.3	258.8	254.7	251.4	253.0	260.2	266.2	
Primary smelting and refining of nonferrous metals	82.7	82.4	82.8	82.5	82.2	81.5	81.2	80.8	80.8	80.8	80.8	80.8	80.8	80.6	80.3	
Secondary smelting and refining of nonferrous metals	12.4	12.6	12.6	12.8	12.9	12.9	12.9	12.7	12.7	12.6	12.6	12.2	12.0	12.3	13.2	
Rolling, drawing, and alloying of nonferrous metals	121.7	122.4	121.5	123.8	123.4	123.1	122.0	119.9	118.5	117.8	116.1	114.3	111.3	110.8	110.8	
Nonferrous foundries	92.9	92.8	95.3	96.6	94.9	97.2	98.2	98.3	97.8	97.8	97.8	94.8	91.8	89.8	87.0	
Miscellaneous primary metal industries	145.7	145.2	146.5	149.5	148.6	149.4	149.4	149.8	149.1	148.8	147.6	144.8	144.1	139.8	142.2	
Fabricated metal products (except ordnance, machinery, and transportation equipment)	1,146.2	1,156.0	1,163.0	1,151.7	1,168.0	1,162.3	1,160.6	1,159.3	1,149.6	1,135.2	1,125.7	1,104.6	1,088.1	1,045.6	1,059.7	
Tin cans and other tinware	62.7	64.1	61.3	59.7	57.8	57.0	56.9	56.7	56.5	55.6	55.4	55.4	55.4	56.6	58.1	
Cutlery, hand tools, and hardware	155.0	159.6	159.1	164.6	165.3	164.0	164.9	163.2	160.8	158.3	154.3	154.3	150.9	149.8	162.8	
Heating apparatus (except electric) and plumbers' supplies	151.3	152.5	151.3	153.4	153.7	155.0	154.1	154.2	152.6	151.6	151.6	153.8	154.0	142.8	144.1	
Fabricated structural metal products	286.3	284.6	278.8	279.7	274.6	272.2	272.2	272.0	270.5	273.2	269.0	262.9	253.8	241.2	241.2	
Metal stamping, coating, and engraving	235.8	236.1	236.6	242.1	241.8	241.4	240.8	237.5	231.3	223.8	215.2	209.3	196.7	196.7	202.0	
Lighting fixtures	49.4	50.4	49.4	50.1	50.3	50.9	50.8	49.6	48.3	47.9	47.4	46.5	45.6	46.4	46.2	
Fabricated wire products	70.8	71.1	71.5	72.4	72.9	73.7	73.7	71.7	71.3	70.3	69.1	67.0	63.9	66.1	66.1	
Miscellaneous fabricated metal products	144.7	144.6	143.7	146.0	145.9	146.4	145.9	144.7	143.9	143.0	141.4	139.0	136.5	137.1	137.1	
Machinery (except electrical)	1,609.4	1,624.0	1,635.9	1,665.7	1,698.4	1,702.0	1,714.3	1,727.8	1,713.4	1,702.1	1,687.5	1,643.8	1,607.2	1,642.4	1,601.3	
Engines and turbines	89.9	89.4	94.4	95.5	95.6	95.9	96.5	95.7	95.8	96.5	96.5	94.2	86.3	88.9	81.2	
Agricultural machinery and tractors	160.3	170.1	179.3	184.5	187.1	190.6	195.8	193.3	190.4	188.8	169.7	156.2	185.1	198.4	198.4	
Construction and mining machinery	126.6	128.9	131.0	133.5	130.9	131.1	134.2	133.9	133.2	132.9	132.1	130.5	132.2	120.5	120.5	
Metalworking machinery	283.8	281.2	281.6	285.8	285.6	285.2	285.4	283.3	283.9	282.8	279.4	278.5	280.3	262.4	262.4	
Special industry machinery (except metalworking machinery)	183.4	185.7	186.8	191.0	190.3	190.9	191.9	192.0	191.2	190.8	190.2	185.6	190.9	190.0	190.0	
General industrial machinery	233.9	234.0	236.4	236.9	234.2	234.4	234.5	232.3	232.0	231.4	227.2	228.8	230.7	224.4	224.4	
Office and store machines and devices	111.3	110.1	111.4	112.0	112.4	112.6	112.3	111.6	111.7	111.7	111.7	110.7	110.4	109.8	109.3	
Service industry and household machines	195.4	196.8	196.2	213.3	219.4	224.7	227.5	227.0	223.7	217.0	208.1	200.6	195.5	186.5	182.2	
Miscellaneous machinery parts	239.4	239.7	242.7	245.9	246.5	248.9	249.7	247.7	246.9	245.5	239.7	240.4	238.0	229.8	229.8	
Electrical machinery	1,191.1	1,204.5	1,195.7	1,179.3	1,194.8	1,202.0	1,206.5	1,204.0	1,192.4	1,173.5	1,166.6	1,142.3	1,118.6	1,068.4	1,005.4	
Electrical generating, transmission, distribution, and industrial apparatus	390.1	391.0	391.7	393.7	393.6	393.0	390.5	386.1	381.5	378.4	374.3	369.9	364.8	354.9	354.9	
Electrical appliances	70.7	69.4	70.3	70.9	70.5	69.9	69.6	67.9	65.9	64.9	63.2	60.6	56.2	59.5	59.5	
Insulated wire and cable	34.4	34.5	34.3	35.4	35.5	35.6	35.3	34.9	35.1	34.6	33.1	32.8	31.8	29.2	29.2	
Electrical equipment for vehicles	87.7	87.5	88.2	90.9	91.0	91.0	90.5	88.2	84.5	82.2	79.9	80.5	79.2	78.6	78.6	
Electric lamps	27.9	27.5	27.4	27.3	27.2	26.9	26.3	25.8	25.3	25.0	23.5	23.5	23.2	21.0	21.0	
Communication equipment	545.1	537.6	519.4	529.2	537.2	542.8	546.0	543.1	535.3	533.8	518.8	501.2	464.9	405.8	405.8	
Miscellaneous electrical products	48.6	48.2	48.0	47.4	47.0	47.3	45.9	45.9	46.3	47.7	49.5	50.3	46.6	46.6	46.6	
Transportation equipment	1,877.4	1,888.9	1,934.7	1,944.1	1,950.8	1,955.8	1,969.9	1,965.7	1,930.0	1,891.5	1,802.6	1,825.0	1,779.3	1,674.9	1,510.3	
Automobiles	897.1	930.1	965.3	969.4	982.3	983.1	983.2	957.0	924.6	904.0	887.9	850.0	793.5	844.5	844.5	
Aircraft and parts	755.9	747.3	740.9	733.6	728.4	727.3	735.0	729.2	721.4	711.4	694.5	684.3	641.6	463.6	463.6	
Aircraft engines and parts	168.8	167.3	167.9	165.9	161.3	159.2	165.6	163.7	158.1	153.9	150.2	147.5	134.7	90.8	90.8	
Aircraft propellers and parts	16.4	16.2	16.3	16.4	16.4	16.5	16.5	16.6	16.3	15.7	15.2	14.8	14.0	10.8	10.8	
Other aircraft parts and equipment	113.4	111.9	109.1	106.8	105.1	104.7	103.7	100.8	99.2	97.3	95.1	91.8	79.1	48.8	48.8	
Ship and boatbuilding and repairing	147.1	147.2	151.6	153.9	153.0	157.1	155.7	158.1	158.8	155.9	155.3	151.0	146.0	116.0	116.0	
Shipbuilding and repairing	122.9	122.5	125.6	127.1	128.1	130.5	129.7	131.0	134.1	135.3	133.5	134.3	131.2	101.6	101.6	
Boatbuilding and repairing	24.2	24.7	26.0	26.8	26.9	26.6	25.4	24.7	24.0	23.5	22.4	21.0	19.8	14.4	14.4	
Railroad equipment	75.1	76.3	72.3	80.7	78.6	79.0	79.2	74.8	74.3	74.1	72.1	75.3	75.8	73.7	73.7	
Other transportation equipment	13.7	13.8	13.8	13.9	13.5	13.4	13.2	13.3	13.1	14.3	14.6	14.4	12.9	12.6	12.6	
Instruments and related products	333.6	333.5	331.6	333.2	335.4	333.3	333.2	332.5	328.5	327.5	326.3	322.8	318.7	310.2	292.2	
Laboratory, scientific, and engineering instruments	53.4	52.8	54.4	54.0	53.6	53.6	53.5	53.0	52.8	52.5	51.8	51.1	48.9	39.1	39.1	
Mechanical measuring and controlling instruments	78.6	80.2	81.1	82.6	81.9	81.8	81.9	80.9	80.2	79.6	78.3	77.0	74.1	71.8	71.8	
Optical instruments and lenses	12.3	12.2	12.1	12.3	12.3	12.4	12.4	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.5	
Surgical, medical, and dental instruments	40.4	40.7	40.8	41.2	41.1	41.1	40.9	40.4	40.8	40.9	40.6	40.0	39.6	40.6	40.6	
Ophthalmic goods	28.2	28.1	27.9	28.4	28.7	29.0	29.2	28.9	28.9	28.5	27.8	27.5	28.1	29.0	29.0	
Photographic apparatus	73.2	71.9	71.3	69.4	68.9	68.5	68.3	67.9	68.0	67.9	67.5	66.9	66.1	62.1	62.1	
Watches and clocks	47.4	45.7	45.6	47.5	46.8	46.8	46.3	45.1	44.5	44.6	44.4	43.8	41.0	37.7	37.7	
Miscellaneous manufacturing industries	516.1	515.3	506.8	490.2	501.5	497.2	495.9	494.1	487.2	474.9	458.0	458.5	458.5	458.0	455.4	
Jewelry, silverware, and plated ware	56.8	55.3	52.8	54.9	54.2	54.6	55.0	53.6	53.6	53.8	54.2	53.9	50.5	54.7	54.7	
Musical instruments and parts	18.2	18.1	17.7	18.0	18.0	18.1	18.3	18.1	17.8	17.5	17.4	17.0	16.3	16.6	16.6	
Toys and sporting goods	92.7	91.2	87.4	88.1	87.1	84.3	81.3	77.8	73.7	79.8	87.2	87.9	78.4	74.0	74.0	
Pens, pencils, and other office supplies	32.8	32.4	31.9	32.3	32.1	32.0	31.7	31.1	31.1	31.1	32.6	32.6	32.7	31.5	31.5	
Costume jewelry, buttons, notions	71.9	71.8	68.3	68.1	66.4	67.2	69.3	69.6	67.6	67.1	68.4	67.4	62.1	63.9	63.9	
Fabricated plastic products	77.1	76.4	74.6	75.5	75.1	75.1	74.1	73.4	72.6	72.4	72.7	71.1	66.9	67.2	67.2	
Other manufacturing industries	165.8	161.6	157.5	164.6	164.3	164.6	164.4	163.6	159.3	161.8	163.3	158.5	153.4	157.0	157.0	

See footnotes at end of table

TABLE A-2: Employees in nonagricultural establishments, by industry division and group<sup>1</sup>—Continued

Industry group and industry	1953												1952		Annual average
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	1952	1951
<b>Transportation and public utilities</b> .....	4,310	4,323	4,334	4,340	4,315	4,279	4,244	4,215	4,210	4,210	4,253	4,286	4,296	4,230	4,164
Transportation.....	2,991	2,999	2,998	2,999	2,990	2,966	2,949	2,928	2,909	2,914	2,995	2,992	2,999	2,941	2,921
Interstate railroads.....	1,395.1	1,405.6	1,409.6	1,409.6	1,399.9	1,387.0	1,376.0	1,360.5	1,356.4	1,367.5	1,406.0	1,412.5	1,423.2	1,399.8	1,449.3
Class I railroads.....	1,224.7	1,235.0	1,238.8	1,229.2	1,217.5	1,204.9	1,188.5	1,184.8	1,195.5	1,222.7	1,238.8	1,249.9	1,226.2	1,278.9	
Local railroads and bus lines.....	127.9	128.4	130.6	131.0	130.7	130.7	131.3	131.5	125.6	132.4	132.4	132.4	134.2	134.2	139.0
Trucking and warehousing.....	706.7	753.6	748.4	749.3	745.5	743.0	743.9	737.2	734.9	761.9	760.8	745.9	714.6	675.6	
Other transportation and services.....	709.1	710.6	710.7	709.5	703.1	698.9	691.9	683.8	686.0	694.9	695.0	697.1	692.1	695.9	
Bus lines, except local.....	152.6	153.0	158.5	154.6	152.1	151.9	151.4	151.5	151.9	152.5	152.5	152.5	152.5	152.5	152.5
Air transportation (common carrier).....	105.6	105.1	104.9	104.6	102.0	101.1	100.8	100.0	100.0	99.4	98.8	97.8	95.6	85.2	
Communication.....	747	746	752	759	750	747	731	742	738	734	736	734	732	717	690
Telephone.....	697.3	703.5	709.5	709.1	697.3	682.3	683.5	689.2	684.9	686.5	684.4	682.4	672.7	638.9	
Telegraph.....	47.7	47.6	48.3	48.9	48.9	48.1	47.9	48.3	48.6	48.6	48.6	48.6	49.1	48.6	50.1
Other public utilities.....	572	578	584	582	575	566	564	565	563	562	562	560	565	563	565
Gas and electric utilities.....	555.7	560.5	558.8	552.2	544.3	542.1	543.0	541.4	540.5	540.8	538.8	543.0	541.2	533.3	
Electric light and power utilities.....	249.5	251.4	250.8	248.2	245.0	244.7	244.3	243.5	243.2	242.7	240.2	244.3	243.5	240.4	
Gas utilities.....	130.1	131.7	130.8	128.9	125.3	124.8	125.5	126.1	125.6	126.6	127.0	127.2	126.4	123.8	
Electric light and gas utilities combined.....	176.1	177.4	177.2	175.1	173.6	172.6	172.2	171.8	171.7	171.5	171.6	171.5	171.3	169.1	
Local utilities, not elsewhere classified.....	22.6	23.0	22.9	22.1	21.9	22.1	22.0	21.7	21.7	21.7	21.5	21.4	21.7	21.5	
<b>Wholesale and retail trade</b> .....	10,603	10,458	10,340	10,355	10,415	10,348	10,314	10,284	10,214	10,283	10,218	10,650	10,442	10,251	10,013
Wholesale trade.....	2,755	2,736	2,736	2,736	2,729	2,712	2,713	2,730	2,743	2,747	2,787	2,780	2,752	2,721	2,685
Retail trade.....	7,848	7,722	7,604	7,619	7,686	7,636	7,601	7,554	7,471	7,536	7,431	7,870	7,690	7,530	7,328
General merchandise stores.....	1,487.4	1,413.9	1,351.3	1,350.3	1,402.3	1,406.2	1,398.6	1,398.4	1,355.0	1,406.8	1,403.2	1,625.3	1,504.8	1,453.2	1,429.3
Food and liquor stores.....	1,415.9	1,397.9	1,391.5	1,400.8	1,405.7	1,399.3	1,398.2	1,389.2	1,380.8	1,370.9	1,407.2	1,391.7	1,378.8	1,353.8	1,307.6
Automotive and accessories dealers.....	850.3	849.8	851.8	845.6	839.2	829.2	820.0	812.9	810.0	807.5	815.2	800.5	785.2	770.5	763.7
Apparel and accessories stores.....	605.9	586.8	540.7	551.9	594.7	594.8	593.2	585.7	558.2	573.6	705.6	617.7	601.9	584.0	575.4
Other retail trade.....	3,488.8	3,474.0	3,468.7	3,470.3	3,444.3	3,406.3	3,392.7	3,369.9	3,366.7	3,377.6	3,489.5	3,422.3	3,359.1	3,282.4	
<b>Finance, insurance, and real estate</b> .....	2,052	2,055	2,077	2,075	2,046	2,025	2,014	1,993	1,977	1,969	1,978	1,973	1,973	1,957	1,861
Banks and trust companies.....	512.5	519.1	519.3	508.8	499.1	499.0	496.7	493.4	488.6	489.6	489.8	484.6	480.0	431.0	
Security dealers and exchanges.....	63.8	64.8	65.2	64.9	65.2	65.0	64.9	64.7	64.1	64.2	64.2	64.4	64.5	63.7	
Insurance carriers and agents.....	755.3	760.8	757.5	744.6	737.2	735.5	732.3	726.9	720.8	719.6	716.7	715.2	707.2	671.4	
Other finance agencies and real estate.....	723.6	732.0	732.9	729.5	723.1	714.4	699.1	692.2	695.1	704.2	705.1	708.0	704.8	694.7	
<b>Service and miscellaneous</b> .....	5,334	5,392	5,412	5,413	5,397	5,357	5,307	5,225	5,194	5,192	5,237	5,266	5,363	5,280	5,207
Hotels and lodging places.....	483.8	541.7	537.8	495.9	469.9	463.8	456.0	450.5	442.7	446.8	446.1	450.3	476.9	476.5	
Personal services.....	346.8	350.5	354.7	354.1	348.6	343.5	340.4	340.0	341.7	342.0	342.5	343.7	342.7	342.7	
Laundries.....	180.6	175.8	180.4	180.8	184.2	180.7	175.0	171.9	172.4	172.5	175.3	176.9	172.7	166.8	
Cleaning and dyeing plants.....	234.1	234.3	233.8	233.8	232.1	234.4	232.0	229.4	229.6	228.5	232.6	237.2	236.2	244.4	
Motion pictures.....															
<b>Government</b> .....	6,754	6,643	6,449	6,478	6,638	6,669	6,653	6,666	6,625	6,675	7,095	6,742	6,704	6,633	6,373
Federal.....	2,200	2,220	2,248	2,271	2,285	2,282	2,304	2,324	2,343	2,350	2,765	2,363	2,363	2,403	2,261
State and local.....	4,554	4,423	4,201	4,207	4,353	4,387	4,349	4,342	4,282	4,325	4,330	4,379	4,341	4,230	4,112

<sup>1</sup> The Bureau of Labor Statistics series of employment in nonagricultural establishments are based upon reports submitted by cooperating firms. These reports cover all full- and part-time employees in private nonagricultural establishments who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. Because of this, persons who worked in more than 1 establishment during the reporting period will be counted more than once. In Federal establishments the data generally refer to persons who worked on, or received pay for, the last day of the month; in State and local government, to persons who received pay for any part of the pay period ending on, or immediately prior to, the last day of the month. Proprietors, self-employed persons, unpaid family workers, and domestic servants are excluded. These employment series have been adjusted to first quarter 1951 benchmark levels indicated by data from government social insurance programs. Revised data in all except the first 4 columns will be identified by asterisks the first month they are published.

These data differ in several respects from the nonagricultural employment data shown in the Monthly Report on the Labor Force (table A-1, civilian labor force), which are obtained by household interviews. This MRLF series relates to the calendar week which contains the 8th day of the month. It includes all persons with a job whether at work or not, proprietors, self-employed persons, unpaid family workers, and domestic servants.

<sup>2</sup> Durable goods include: ordnance and accessories; lumber and wood products (except furniture); furniture and fixtures; stone, clay, and glass

products; primary metal industries; fabricated metal products (except ordnance, machinery, and transportation equipment); machinery (except electrical); electrical machinery; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

<sup>3</sup> Nondurable goods include: food and kindred products; tobacco manufactures; textile-mill products; apparel and other finished textile products; paper and allied products; printing, publishing, and allied industries; chemicals and allied products; products of petroleum and coal; rubber products; and leather and leather products.

<sup>4</sup> Beginning with January 1952, the data for Federal employment are not strictly comparable with those for prior years, primarily as a result of changes in definition. The following changes were made starting with that month: (1) data refer to the last day of the month rather than the first of the month; (2) employment of the Federal Reserve Banks and of the mixed-ownership banks of the Farm Credit Administration were transferred from the Federal total to the "Banks and Trust Companies" group of the "Finance, Insurance, and Real Estate" Division; (3) fourth-class postmasters, formerly excluded as nominal employees, are now included in the Federal total.

<sup>5</sup> State and local government data exclude, as nominal employees, paid volunteer firemen and elected officials of small local units.

See NOTE on p. 1337.



TABLE A-3: Production workers in mining and manufacturing industries<sup>1</sup>

[In thousands]

Industry group and industry	1953										1952		Annual average		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	1952	1951
<b>Mining:</b>															
Metal:															
Iron:		86.5	86.4	86.7	87.4	86.6	86.2	86.7	88.1	88.8	88.9	88.4	85.8	82.8	88.4
Copper:		23.5	23.4	23.3	23.5	23.4	23.4	23.5	23.5	23.4	23.4	23.4	23.6	24.1	23.8
Lead and zinc:		23.9	23.9	23.7	23.8	23.4	23.3	23.6	23.5	23.4	23.2	22.8	20.8	22.3	22.4
Low and fine:		12.8	13.3	13.5	14.4	14.8	15.3	15.8	16.6	17.0	17.0	16.9	16.7	18.1	17.8
Anthracite:		45.5	46.6	45.4	50.3	51.6	47.8	53.5	55.6	56.4	57.8	58.0	58.5	59.5	65.0
Bituminous coal:		209.3	208.7	208.0	277.1	277.9	286.7	295.8	302.0	306.9	307.4	306.6	306.3	309.9	348.0
Crude-petroleum and natural-gas production:															
Petroleum and natural-gas production (except contract services):		130.1	133.8	133.7	131.9	127.2	127.7	126.5	125.9	126.4	126.5	126.3	126.7	127.9	124.8
Nonmetallic mining and quarrying:		91.4	91.7	91.2	90.8	89.0	88.2	85.0	83.8	83.6	87.5	90.6	91.6	88.6	89.2
<b>Manufacturing:</b>	11,626	13,829	13,862	13,666	13,787	13,699	13,759	13,831	13,733	13,619	13,699	13,634	13,560	13,044	13,135
Durable goods <sup>1</sup> :	7,953	8,009	8,065	8,056	8,190	8,179	8,215	8,211	8,115	8,020	8,010	7,916	7,774	7,451	7,459
Nondurable goods <sup>2</sup> :	5,693	5,820	5,797	5,610	5,597	5,520	5,543	5,620	5,618	5,599	5,689	5,718	5,786	5,594	5,676
Ordnance and accessories:	158.9	159.0	159.2	162.1	158.3	155.9	150.2	146.5	141.8	139.0	136.5	134.0	132.0	125.7	61.5
Food and kindred products:	1,201.6	1,284.7	1,256.0	1,184.0	1,096.6	1,050.6	1,028.5	1,024.8	1,072.6	1,044.7	1,092.8	1,142.0	1,223.4	1,127.1	1,142.4
Meat products:		240.3	238.9	239.5	237.0	232.7	232.7	237.7	241.1	248.7	256.4	253.5	245.9	245.6	242.9
Dairy products:		87.6	92.1	94.2	93.5	87.1	83.1	79.7	78.1	76.4	77.9	79.5	82.5	85.1	87.3
Canning and preserving:		330.4	308.7	243.7	165.4	145.9	133.9	122.7	128.7	132.2	143.3	172.4	252.9	188.8	201.6
Grain-mill products:		94.4	93.7	93.4	93.9	89.3	87.7	89.3	90.6	92.3	93.4	92.3	95.1	94.0	91.6
Bakery products:		182.4	182.2	183.9	184.0	181.0	178.5	179.7	179.5	179.0	183.5	186.6	187.1	181.9	181.4
Sugar:		27.4	24.8	24.7	23.2	22.2	22.3	22.7	23.1	24.9	33.6	44.3	43.1	28.0	29.3
Confectionery and related products:		74.8	68.4	61.3	64.0	62.0	65.5	70.2	72.2	72.6	77.1	79.1	79.3	71.6	73.0
Beverages:		140.2	144.2	139.2	131.8	131.7	127.2	125.4	122.0	123.5	128.7	132.2	133.6	132.2	133.8
Miscellaneous food products:		107.2	103.0	104.1	103.8	98.2	95.6	97.4	97.3	94.9	98.9	102.1	105.9	99.8	101.5
Tobacco manufactures:	114.5	117.1	108.3	85.3	85.0	85.0	85.2	87.3	93.9	100.5	108.1	108.5	116.7	97.9	95.7
Cigarettes:		28.9	28.5	27.7	28.5	28.5	28.5	28.2	28.2	28.2	28.1	28.2	28.0	27.5	26.3
Tobacco and snuff:		39.7	39.1	38.1	39.3	39.2	39.1	39.8	39.6	39.7	40.0	40.6	40.6	39.6	38.7
Tobacco stemming and redrying:		40.9	33.3	12.3	9.6	9.7	10.0	11.6	18.4	24.9	32.2	31.8	40.2	22.9	22.6
Textile-mill products:	1,079.4	1,069.8	1,102.7	1,093.8	1,121.6	1,116.7	1,119.2	1,134.3	1,134.0	1,131.7	1,146.1	1,145.8	1,134.9	1,105.8	1,175.8
Scouring and combing plants:		6.4	6.6	6.6	6.4	6.2	6.1	6.0	6.3	6.4	6.4	6.2	6.3	5.9	6.3
Yarn and thread mills:		140.4	142.8	140.2	144.4	142.9	143.0	146.0	145.7	146.5	147.3	147.5	147.0	143.6	154.2
Broad-woven fabric mills:		485.0	486.2	490.2	497.1	494.4	493.8	498.8	501.5	502.3	508.0	506.1	503.3	498.7	545.8
Narrow fabrics and smallwares:		31.2	30.8	30.5	31.1	31.0	30.2	31.4	31.4	31.1	31.2	31.4	30.9	29.5	31.2
Knitting mills:		228.6	230.9	226.3	232.2	232.2	232.9	235.4	232.3	230.2	236.2	238.7	235.7	223.2	223.8
Dyeing and finishing textiles:		83.5	82.9	81.0	82.9	82.9	84.7	85.8	86.5	86.3	87.1	87.2	86.2	83.4	83.8
Carpets, rugs, other floor coverings:		46.6	44.8	43.9	47.9	47.7	49.7	50.1	50.9	49.4	50.1	50.1	48.0	45.2	51.0
Hats (except cloth and millinery):		15.4	16.3	16.0	16.3	16.9	15.5	17.4	17.4	16.8	16.7	16.1	15.8	15.3	15.8
Miscellaneous textile goods:		61.9	61.4	59.1	63.2	62.5	63.3	63.4	62.9	62.7	63.1	62.5	61.7	60.0	63.8
Apparel and other finished textile products:	1,086.6	1,095.7	1,113.6	1,053.2	1,072.2	1,060.8	1,086.0	1,138.5	1,136.6	1,108.5	1,113.5	1,104.3	1,102.9	1,066.9	1,065.9
Men's and boys' suits and coats:		129.1	129.3	117.8	126.9	124.9	123.9	125.8	124.0	119.3	121.0	122.0	123.4	119.3	128.8
Men's and boys' furnishings and work clothing:		290.9	292.5	276.8	287.6	288.2	289.4	288.6	284.2	278.8	280.2	279.9	278.8	265.1	263.4
Women's outerwear:		323.9	339.2	314.0	308.8	297.9	317.8	355.5	360.3	351.1	346.6	330.9	330.0	331.2	326.4
Women's, children's undergarments:		97.0	95.5	94.1	96.3	99.0	101.2	101.5	100.2	98.2	100.6	102.6	101.6	95.0	91.1
Millinery:		19.0	20.2	18.1	15.1	15.5	19.2	24.5	21.8	23.2	20.3	18.1	20.4	20.6	19.9
Children's outerwear:		58.4	60.6	59.1	61.8	59.1	57.9	61.4	62.4	60.5	59.3	59.5	60.4	59.1	56.1
Fur goods:		6.7	8.0	9.4	9.6	7.5	5.1	6.5	6.8	8.2	9.8	11.3	9.6	9.4	10.7
Miscellaneous apparel and accessories:		58.4	58.4	55.8	57.3	57.3	58.0	58.0	57.3	55.3	56.4	62.8	63.3	57.8	61.0
Other fabricated textile products:		112.3	109.9	108.1	108.8	111.4	113.5	116.7	116.6	113.9	116.3	117.2	115.4	109.5	108.5
Lumber and wood products (except furniture):	708.3	715.0	724.0	717.8	730.9	712.5	700.5	708.0	676.9	676.4	704.4	730.3	727.7	713.3	760.8
Logging camps and contractors:		76.3	78.7	80.4	83.8	77.9	70.3	65.9	59.3	58.0	69.6	82.6	73.4	78.5	95.8
Sawmills and planing mills:		428.9	434.0	425.8	431.9	422.3	416.4	407.5	404.1	405.5	419.7	433.3	439.8	423.8	444.4
Millwork, plywood, and prefabricated structural wood products:		102.2	102.0	101.8	104.4	102.4	104.0	102.4	102.6	102.7	103.9	104.6	106.6	100.8	108.4
Wooden containers:		54.9	55.9	56.8	57.4	57.1	56.7	56.8	56.6	56.6	57.5	58.4	54.2	56.4	61.1
Miscellaneous wood products:		52.7	53.4	53.0	53.4	52.8	53.1	54.4	54.3	53.6	53.7	53.4	53.7	53.9	57.1
Furniture and fixtures:	315.2	318.2	317.2	314.5	317.4	322.1	328.5	332.7	331.9	329.2	330.0	328.5	322.1	306.1	310.6
Household furniture:		230.4	230.2	228.0	231.5	236.5	242.3	247.0	245.9	242.9	243.1	242.1	237.2	225.5	226.0
Office, public-building, and professional furniture:		32.4	32.6	32.0	32.0	32.6	33.1	33.1	33.2	33.3	33.5	33.4	33.2	33.0	33.8
Partitions, shelving, lockers, and fixtures:		28.9	29.2	28.8	28.5	28.2	28.1	27.7	28.3	28.7	28.6	28.2	27.6	26.6	27.0
Screens, blinds, and miscellaneous furniture and fixtures:		26.5	25.2	25.7	25.4	24.8	25.0	24.9	24.5	24.3	24.8	24.8	24.1	23.9	23.8

See footnotes at end of table.

TABLE A-3: Production workers in mining and manufacturing industries<sup>1</sup>—Continued

Industry group and industry	1953												1952		Annual average	
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	1952	1951	
<b>Manufacturing—Continued</b>																
Paper and allied products	451.3	454.3	450.6	442.0	445.6	439.7	439.5	439.3	436.8	435.6	441.0	434.7	431.9	422.5	434.3	
Pulp, paper, and paperboard mills	229.1	227.0	224.8	225.2	222.2	221.8	222.6	222.8	222.8	222.0	224.3	218.8	218.8	219.4	223.4	
Paperboard containers and boxes	121.5	120.3	115.0	117.8	115.6	116.3	116.2	115.0	114.9	117.7	117.3	115.1	107.4	111.7	111.7	
Other paper and allied products	103.7	103.3	102.2	102.6	101.9	101.4	100.5	99.0	97.8	99.0	98.6	98.0	95.8	96.3	96.3	
<b>Printing, publishing, and allied industries</b>																
Newspapers	513.1	506.3	498.2	496.0	501.6	498.7	497.9	499.2	496.5	497.8	505.1	505.2	503.8	494.2	493.9	
Periodicals	148.4	146.5	145.8	147.8	147.7	147.3	146.3	144.3	143.9	147.0	146.8	146.8	144.4	144.0	142.9	
Books	28.4	27.3	27.7	27.8	28.3	28.4	29.1	29.0	28.8	28.6	28.8	28.8	29.0	28.7	28.6	
Commercial printing	159.9	157.0	157.0	158.9	157.6	158.3	158.7	159.3	161.1	161.9	160.7	160.4	158.1	158.5	158.5	
Lithographing	42.6	41.6	40.9	41.9	41.5	41.3	41.4	40.8	40.9	42.8	43.0	42.6	40.9	41.7	41.7	
Greeting cards	14.8	14.7	14.5	14.3	13.2	12.7	13.1	13.1	13.2	14.7	16.4	15.6	13.8	14.1	14.1	
Bookbinding and related industries	35.8	35.6	35.4	35.4	35.1	34.9	34.6	34.1	34.6	35.0	34.9	34.6	33.9	33.4	33.4	
Miscellaneous publishing and printing services	48.3	47.8	47.6	48.0	48.1	48.5	48.4	48.2	48.0	47.8	47.4	47.7	47.8	47.8	47.8	
<b>Chemicals and allied products</b>																
Industrial inorganic chemicals	516.9	515.2	511.0	508.3	513.1	516.9	525.8	525.0	518.7	516.1	518.3	518.3	518.2	515.8	520.5	
Industrial organic chemicals	60.0	60.5	61.3	60.1	59.8	59.7	59.4	59.0	58.3	58.1	57.9	57.7	58.8	59.8	59.8	
Drugs and medicines	194.4	197.0	195.0	195.0	192.3	190.9	190.4	189.2	189.7	189.2	187.8	186.6	185.5	192.0	192.0	
Soap, cleaning and polishing preparations	57.5	56.7	56.7	58.8	58.9	59.4	59.8	59.6	61.4	61.6	61.5	61.1	62.5	62.7	62.7	
Paints, pigments, and fillers	30.6	30.2	30.4	31.1	31.5	32.1	32.1	31.8	31.3	31.0	31.6	31.8	31.6	31.6	31.4	
Gum and wood chemicals	47.5	48.0	48.9	48.4	47.9	47.9	47.5	47.1	46.9	46.8	46.7	46.7	46.6	46.7	46.6	
Fertilizers	6.6	6.4	6.4	6.3	6.5	6.7	6.7	6.5	6.5	6.6	6.6	6.6	6.6	6.9	7.3	
Vegetable and animal oils and fats	25.4	23.7	22.6	25.2	30.8	37.9	36.6	31.4	27.1	25.5	25.3	26.0	26.3	26.3	26.3	
Miscellaneous chemicals	33.0	27.6	25.5	26.3	27.3	29.2	31.8	32.8	34.5	36.6	37.7	37.9	37.2	36.2	36.2	
<b>Products of petroleum and coal</b>																
Petroleum refining	185.8	188.4	190.0	189.7	187.6	187.6	186.4	185.7	185.8	186.5	188.0	189.1	182.6	188.2	188.2	
Coke and other petroleum and coke products	144.9	145.3	145.4	144.5	143.1	144.1	143.6	143.6	144.0	143.5	143.7	143.9	140.5	143.3	143.3	
<b>Rubber products</b>																
Tires and inner tubes	209.1	215.4	215.3	213.2	220.3	220.2	220.5	220.5	219.2	219.2	219.2	216.6	212.5	208.2	212.0	
Rubber footwear	89.0	89.6	90.1	92.4	92.7	92.2	91.6	91.2	91.5	91.8	90.8	90.2	90.8	87.4	87.4	
Other rubber products	24.1	23.7	22.5	23.5	23.3	23.8	24.2	24.2	24.6	25.2	24.7	24.3	22.9	23.9	23.9	
<b>Leather and leather products</b>																
Leather: tanned, curried, and finished	334.3	331.3	330.6	330.9	343.5	354.5	353.3	353.5	359.0	358.6	354.7	352.2	343.1	338.7	338.7	
Industrial leather belting and packing	42.0	42.4	42.0	42.9	42.2	42.2	42.8	43.1	43.6	44.0	43.7	43.0	41.8	43.3	43.3	
Boot and shoe cut stock and findings	4.1	4.3	4.3	4.5	4.7	4.9	4.8	4.7	4.7	4.6	4.6	4.4	4.3	4.8	4.8	
Footwear (except rubber)	14.5	15.6	15.8	16.1	15.0	16.2	16.9	17.4	17.3	17.0	16.1	15.5	15.6	15.0	15.0	
Luggage	222.8	229.4	224.4	230.5	225.7	231.7	237.7	237.8	235.7	235.7	232.3	225.0	224.7	223.2	218.4	
Handbags and small leather goods	16.3	16.2	16.0	16.8	16.8	16.8	16.0	16.2	15.8	16.6	16.9	16.7	15.8	13.9	13.9	
Gloves and miscellaneous leather goods	26.9	26.2	25.1	23.6	23.0	26.6	29.1	26.0	26.9	26.7	28.7	28.9	28.9	28.9	28.9	
<b>Stone, clay, and glass products</b>																
Flat glass	461.8	466.3	464.1	456.2	465.4	460.6	462.3	469.2	453.2	450.9	458.4	461.1	459.4	448.4	475.1	
Glass and glassware, pressed or blown	32.0	31.5	31.1	31.0	31.2	31.5	31.5	31.8	31.8	31.9	32.0	31.2	30.5	28.9	29.7	
Glass products made of purchased glass	91.1	89.8	86.6	91.0	90.5	90.7	90.9	87.7	86.5	87.2	87.9	86.7	83.1	83.3	83.3	
Cement, hydraulic	14.0	14.2	14.2	14.7	14.8	15.5	15.3	14.7	14.9	14.9	15.0	14.3	13.9	14.5	14.5	
Structural clay products	35.2	35.3	35.2	34.4	34.5	34.2	34.1	34.3	34.2	34.6	34.3	34.8	33.8	33.8	33.8	
Pottery and related products	70.3	71.1	71.8	72.1	69.8	69.1	68.6	67.2	67.5	70.9	72.3	73.4	72.7	72.7	72.7	
Concrete, gypsum, and plaster products	48.0	46.9	42.5	48.3	48.9	50.1	50.8	50.6	50.7	51.0	51.2	51.3	51.1	50.9	50.9	
Cut-stone and stone products	90.2	90.1	89.5	87.4	86.1	85.4	83.0	81.6	80.7	83.0	84.6	84.2	82.3	84.7	84.7	
Miscellaneous nonmetallic products	16.7	16.7	16.2	16.3	15.6	16.2	16.2	16.0	15.8	16.1	16.1	16.2	15.3	16.8	16.8	
<b>Primary metal industries</b>																
Blast furnaces, steelworks, and rolling mills	1,108.1	1,123.1	1,131.4	1,133.7	1,143.1	1,137.9	1,143.5	1,144.8	1,141.8	1,139.0	1,137.0	1,125.8	1,115.6	1,099.7	1,132.1	
Iron and steel foundries	563.7	571.6	570.5	567.2	561.8	562.4	563.6	563.1	561.8	560.8	557.0	556.6	486.5	590.2	590.2	
Primary smelting and refining of non-ferrous metals	209.5	211.6	213.6	219.5	221.1	224.1	224.2	224.2	224.2	225.7	226.3	225.6	221.9	223.4	237.1	
Secondary smelting and refining of non-ferrous metals	44.1	43.8	43.7	43.4	43.1	42.4	42.2	41.9	40.9	40.7	41.0	41.0	42.0	42.3	42.3	
Rolling, drawing, and alloying of non-ferrous metals	9.2	9.3	9.3	9.5	9.6	9.6	9.5	9.5	9.4	9.3	9.1	8.7	9.2	10.2	10.2	
Nonferrous foundries	100.0	99.6	97.9	100.5	100.8	100.4	99.4	97.7	96.5	96.1	94.5	92.6	90.1	90.8	90.8	
Miscellaneous primary metal industries	77.6	77.3	79.4	80.6	79.5	82.0	82.9	82.9	82.2	82.3	79.8	77.0	74.9	72.8	72.8	
<b>Fabricated metal products (except ordnance, machinery, and transportation equipment)</b>																
Tin cans and other tinware	932.5	942.7	949.5	937.6	956.3	951.7	952.3	952.3	942.1	931.4	921.7	902.8	887.7	850.1	874.3	
Cutlery, handtools, and hardware	55.6	56.9	54.0	52.7	50.9	50.3	50.1	50.0	49.8	48.4	48.4	47.7	51.9	49.7	50.8	
Heating apparatus (except electric) and plumbers' supplies	127.2	131.8	130.9	136.4	137.4	136.5	137.4	135.8	133.8	131.3	131.3	127.3	124.3	123.2	136.7	
Fabricated structural metal products	121.2	122.3	120.2	123.3	123.3	124.6	123.7	123.7	122.4	124.8	124.5	124.2	113.8	116.3	116.3	
Metal stamping, coating, and engraving	229.4	218.5	214.2	216.1	211.5	210.0	210.7	210.0	209.6	211.1	207.3	203.3	196.0	188.1	188.1	
Lighting fixtures	198.5	199.3	199.4	204.8	204.8	204.9	201.2	196.3	188.5	188.5	184.4	174.6	164.2	172.5	172.5	
Fabricated wire products	40.2	41.4	40.6	41.1	41.2	41.9	41.9	40.6	39.4	39.4	38.4	37.8	36.9	36.9	36.9	
Miscellaneous fabricated metal products	59.8	59.7	60.0	60.9	61.6	62.5	62.1	60.6	60.4	59.4	58.2	56.2	53.3	55.8	55.8	

See footnotes at end of table.

TABLE A-3: Production workers in mining and manufacturing industries<sup>1</sup>—Continued

[In thousands]

Industry group and industry	1951										1952		Annual average		
	Oct.	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	1952	1951
<b>Manufacturing—Continued</b>															
Machinery (except electrical).....	1,214.4	1,226.0	1,236.1	1,264.2	1,300.0	1,306.6	1,320.5	1,334.6	1,323.1	1,312.9	1,301.3	1,259.7	1,227.0	1,262.5	1,245.1
Engines and turbines.....	64.6	63.9	68.8	70.2	70.5	70.9	71.7	71.0	71.4	71.2	69.8	63.0	65.9	60.8	
Agricultural machinery and tractors.....	117.0	126.4	135.4	140.5	143.0	146.5	151.6	149.0	146.1	145.3	129.6	113.2	140.0	154.6	
Construction and mining machinery.....	93.8	95.4	97.4	99.9	97.8	98.0	100.0	100.6	100.5	100.5	99.6	98.5	100.3	90.6	
Metalworking machinery.....	223.8	222.1	221.6	227.1	227.3	227.6	228.1	228.3	226.3	225.7	222.8	222.7	221.4	209.6	
Special-industry machinery (except metalworking machinery).....	134.3	135.3	136.6	140.6	140.0	141.1	142.1	142.2	141.2	141.0	140.8	136.9	142.6	150.1	
General industrial machinery.....	181.7	183.7	185.7	187.2	186.0	186.5	187.0	185.6	185.7	185.1	181.4	180.9	164.3	163.2	
Office and store machines and devices.....	90.5	89.4	89.9	90.7	91.5	91.7	91.5	91.0	91.5	91.7	90.8	90.5	90.0	88.8	
Service-industry and household machines.....	148.0	150.0	155.7	166.4	172.4	177.9	180.1	177.3	171.8	163.3	156.4	149.5	144.3	142.6	
Miscellaneous machinery parts.....	190.3	189.9	193.1	197.4	198.1	200.3	201.6	199.7	198.4	197.5	191.5	192.8	189.9	184.7	
<b>Electrical machinery.....</b>	<b>897.0</b>	<b>910.9</b>	<b>902.5</b>	<b>891.5</b>	<b>910.6</b>	<b>910.1</b>	<b>926.0</b>	<b>934.7</b>	<b>915.7</b>	<b>898.6</b>	<b>892.8</b>	<b>872.1</b>	<b>850.6</b>	<b>806.9</b>	<b>768.6</b>
Electrical generating, transmission, distribution, and industrial apparatus.....	281.8	281.9	283.4	287.5	287.8	287.3	285.1	280.7	277.4	274.8	271.3	267.6	264.3	261.8	
Electrical appliances.....	59.2	58.2	58.6	59.2	59.0	58.4	57.9	56.7	54.2	53.8	52.3	50.0	45.7	47.7	
Insulated wire and cable.....	28.3	28.6	28.4	29.5	29.5	29.6	29.6	29.6	29.3	28.8	27.6	27.4	26.2	24.0	
Electrical equipment for vehicles.....	71.2	71.2	72.3	75.3	75.8	76.1	75.5	73.0	69.1	66.6	64.3	64.9	63.5	64.3	
Electric lamps.....	24.5	24.1	24.1	24.0	23.8	23.6	23.1	22.3	22.1	21.7	20.1	19.9	21.7	27.1	
Communication equipment.....	408.2	401.6	387.8	398.8	407.3	414.8	418.3	418.1	411.0	410.2	398.0	381.4	340.5	307.1	
Miscellaneous electrical products.....	37.7	36.9	36.9	36.5	35.9	36.2	35.2	35.3	35.5	35.9	38.3	32.4	36.1	38.8	
<b>Transportation equipment.....</b>	<b>1,464.4</b>	<b>1,477.5</b>	<b>1,522.6</b>	<b>1,533.4</b>	<b>1,548.3</b>	<b>1,556.1</b>	<b>1,575.9</b>	<b>1,573.6</b>	<b>1,543.4</b>	<b>1,508.6</b>	<b>1,483.9</b>	<b>1,450.1</b>	<b>1,410.8</b>	<b>1,329.5</b>	<b>1,219.8</b>
Automobiles.....	729.7	780.0	796.0	803.4	816.1	830.7	830.6	798.0	769.3	740.9	734.8	701.2	647.1	707.9	
Aircraft and parts.....	549.4	542.4	537.0	534.8	532.3	532.8	542.3	538.1	530.7	523.6	509.7	501.3	460.5	341.4	
Aircraft.....	329.2	325.4	322.3	321.8	324.8	327.2	330.2	329.3	326.9	324.9	316.4	313.2	302.8	232.3	
Aircraft engines and parts.....	120.3	119.1	118.9	118.3	114.5	112.6	119.1	118.4	115.0	111.7	108.6	106.5	95.9	63.7	
Aircraft propellers and parts.....	12.0	11.7	12.0	12.1	12.1	12.2	12.3	12.3	12.1	11.6	11.1	10.7	10.0	7.6	
Other aircraft parts and equipment.....	87.9	86.2	85.8	82.6	80.9	80.8	80.7	78.1	76.7	75.4	72.6	70.9	60.8	38.3	
Ship- and boatbuilding and repairing.....	129.2	129.2	131.6	135.5	134.8	139.0	136.8	137.2	139.0	139.7	136.9	136.7	133.2	100.9	
Shipbuilding and repairing.....	107.9	107.3	110.4	111.6	110.7	115.1	114.0	115.0	117.5	118.5	116.8	118.0	115.4	88.2	
Boatbuilding and repairing.....	21.3	21.9	23.2	23.9	24.1	23.9	22.8	22.2	21.5	21.2	20.1	18.7	17.8	12.8	
Railroad equipment.....	57.7	59.3	55.1	62.9	61.4	62.1	62.7	58.8	58.4	58.4	56.2	59.3	59.8	58.5	
Other transportation equipment.....	11.5	11.7	11.7	11.7	11.5	11.3	11.2	11.3	11.2	12.3	12.5	12.3	10.9	10.6	
<b>Instruments and related products.....</b>	<b>243.2</b>	<b>242.4</b>	<b>239.2</b>	<b>241.2</b>	<b>245.1</b>	<b>243.6</b>	<b>244.3</b>	<b>244.4</b>	<b>240.7</b>	<b>240.9</b>	<b>240.4</b>	<b>237.1</b>	<b>233.6</b>	<b>227.6</b>	<b>216.7</b>
Laboratory, scientific, and engineering instruments.....	32.7	31.8	33.5	33.8	33.6	34.1	34.3	34.1	34.3	34.2	33.6	32.9	32.0	28.8	
Mechanical measuring and controlling instruments.....	56.0	57.0	57.7	59.6	59.3	59.2	59.6	58.7	58.3	58.1	56.5	55.6	53.1	52.8	
Optical instruments and lenses.....	9.7	9.6	9.6	9.7	9.7	9.7	9.7	9.6	9.7	9.6	9.8	9.8	9.9	10.0	
Surgical, medical, and dental instruments.....	28.7	29.0	29.1	29.5	29.4	29.4	29.4	28.9	29.3	29.5	29.3	28.7	28.6	29.2	
Ophthalmic goods.....	22.6	22.5	22.3	22.8	23.1	23.4	23.6	23.4	23.2	22.9	22.3	22.1	22.7	23.7	
Photographic apparatus.....	51.8	50.0	49.7	48.8	48.1	48.0	47.9	47.4	47.8	47.7	47.5	47.0	46.4	43.6	
Watches and clocks.....	40.9	39.3	39.3	40.9	40.4	40.5	39.9	38.7	38.3	38.4	38.1	37.5	35.0	31.9	
<b>Miscellaneous manufacturing industries.....</b>	<b>429.0</b>	<b>428.0</b>	<b>419.3</b>	<b>403.3</b>	<b>414.9</b>	<b>412.5</b>	<b>411.2</b>	<b>400.9</b>	<b>401.2</b>	<b>399.3</b>	<b>403.5</b>	<b>414.5</b>	<b>407.7</b>	<b>376.7</b>	<b>388.3</b>
Jewelry, silverware, and plated ware.....	46.7	45.2	42.8	44.7	44.1	44.4	44.6	43.6	43.2	44.1	44.9	44.7	41.1	41.7	
Musical instruments and parts.....	16.0	15.8	15.3	15.6	15.6	15.7	15.9	15.7	15.5	15.2	15.0	14.7	13.8	14.1	
Toys and sporting goods.....	79.8	78.6	74.9	75.7	75.3	73.0	69.8	66.2	62.6	68.6	75.9	76.6	64.8	64.5	
Pens, pencils, and other office supplies.....	24.9	24.4	23.9	24.4	24.3	24.2	23.9	23.3	23.3	24.8	25.0	25.0	24.0	24.8	
Costume jewelry, buttons, notions.....	60.7	60.7	57.1	57.2	55.5	56.3	58.3	58.7	56.7	56.3	57.2	56.2	51.6	53.7	
Fabricated plastic products.....	64.4	63.7	61.8	63.0	63.1	63.1	62.4	62.1	61.2	61.2	61.4	59.9	55.8	57.6	
Other manufacturing industries.....	135.5	130.9	127.5	134.3	134.4	134.5	135.0	134.6	130.8	133.3	135.1	130.6	125.6	129.5	

<sup>1</sup> See footnote 1, table A-2. Production and related workers include working foremen and all nonsupervisory workers (including leadmen and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, janitorial, watchman services, products development, auxiliary production for plant's

own use (e. g., power plant), and record-keeping and other services closely associated with the above production operations.

<sup>2</sup> See footnote 2, table A-2.

See Note on p. 1337.

TABLE A-4: Indexes of production-worker employment and weekly payrolls in manufacturing industries<sup>1</sup>

[1947-49=100]

Period	Employment	Weekly payroll	Period	Employment	Weekly payroll	Period	Employment	Weekly payroll
1939: Average.....	66.2	29.0	1949: Average.....	93.8	97.2	1953: January.....	110.1	148.4
1940: Average.....	71.2	34.0	1950: Average.....	99.6	111.7	February.....	111.0	149.3
1941: Average.....	87.9	49.3	1951: Average.....	106.2	129.6	March.....	111.8	151.0
1942: Average.....	103.9	72.2	1952: Average.....	105.5	135.3	April.....	111.2	150.0
1943: Average.....	121.4	96.0				May.....	110.8	149.9
1944: Average.....	118.1	102.8	1952: October.....	109.5	145.7	June.....	111.5	150.8
1945: Average.....	104.0	87.8	November.....	110.2	146.3	July.....	110.5	148.9
1946: Average.....	97.9	81.2	December.....	110.8	150.9	August.....	112.1	151.4
1947: Average.....	103.4	97.7				September.....	111.8	150.0
1948: Average.....	102.8	105.1				October.....	110.2	148.4

<sup>1</sup> See footnote 1, tables A-2 and A-3.

See NOTE on p. 1337.

TABLE A-5: Federal civilian employment by branch and agency group

[In thousands]

Year and month	All branches	Executive <sup>1</sup>				Legislative	Judicial
		Total	Department of Defense	Post Office* Department	Other agencies		
Continental United States <sup>2</sup>							
1952: Average.....	2,403	2,376.7	1,199.2	521.7	655.8	22.6	3.9
1952: September.....	2,368	2,341.6	1,205.5	490.3	645.8	22.6	3.8
October.....	2,363	2,337.1	1,206.0	490.7	640.4	22.5	3.8
November.....	2,363	2,336.3	1,205.7	492.5	638.1	22.5	3.8
December.....	2,365	2,338.6	1,206.0	497.5	635.1	22.6	3.9
1953: January.....	2,350	2,323.6	1,204.8	486.0	632.8	22.4	3.8
February.....	2,343	2,316.4	1,197.7	486.0	632.7	22.5	3.8
March.....	2,334	2,297.3	1,181.0	486.0	630.3	22.5	3.8
April.....	2,304	2,278.0	1,160.6	486.0	631.4	22.5	3.9
May.....	2,282	2,256.1	1,140.4	486.0	629.7	22.3	3.9
June.....	2,285	2,258.8	1,138.1	486.0	624.7	22.3	3.9
July.....	2,271	2,244.5	1,128.2	488.2	628.1	22.2	3.9
August.....	2,248	2,221.6	1,113.0	484.6	624.0	22.2	3.9
September.....	2,220	2,194.6	1,094.4	487.0	613.2	21.9	3.8
Washington, D. C. <sup>3</sup>							
1952: Average.....	257.4	235.9	92.8	8.7	134.4	20.8	0.7
1952: September.....	254.6	233.0	93.1	8.1	131.8	20.8	.8
October.....	254.2	232.7	93.2	8.2	131.3	20.7	.8
November.....	253.9	232.5	93.1	8.2	131.2	20.7	.7
December.....	259.9	238.5	93.1	14.7	130.7	20.7	.7
1953: January.....	252.6	231.4	93.5	8.1	129.8	20.5	.7
February.....	251.6	230.3	93.4	8.1	128.8	20.6	.7
March.....	249.4	228.0	92.8	8.1	127.1	20.7	.7
April.....	245.9	224.6	91.6	8.1	124.9	20.6	.7
May.....	242.7	221.6	90.2	8.1	123.3	20.4	.7
June.....	242.2	221.1	90.1	8.1	122.9	20.4	.7
July.....	238.3	217.3	89.6	8.0	119.7	20.3	.7
August.....	235.2	214.2	88.9	7.9	117.4	20.3	.7
September.....	232.7	211.9	89.6	7.8	114.5	20.1	.7

<sup>1</sup> Includes all executive agencies (except Central Intelligence Agency) and Government corporations. Civilian employment in navy yards, arsenals, hospitals, and on force-account construction is also included.<sup>2</sup> Includes the 48 States and the District of Columbia<sup>3</sup> Includes all Federal civilian employment in Washington Standard Metropolitan Area (District of Columbia and adjacent Maryland and Virginia counties)

\*Post Office Department employment was not available beginning with February 1953; and the January figure was used through June. Beginning with July 1953, actual data are reported.

See NOTE on p. 1337.



TABLE A-6: Employees in nonagricultural establishments for selected States<sup>1</sup>

[In thousands]

State	1953										1952				Annual average	
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	1952	1951	
Alabama	690.3	682.3	678.6	683.4	678.6	680.2	679.6	677.8	678.1	702.8	680.1	688.1	688.7	671.5	650.3	
Arizona <sup>2</sup>	197.6	196.9	197.4	199.2	200.7	203.2	203.0	203.8	203.5	207.7	200.9	197.2	192.3	192.8	178.1	
Arkansas	314.1	308.1	307.9	310.9	310.1	310.7	311.1	309.0	308.3	322.2	316.8	314.9	318.1	313.7	315.7	
California <sup>2</sup>	4,000.3	3,974.6	3,905.1	3,891.8	3,875.9	3,847.7	3,823.2	3,798.4	3,781.7	3,929.6	3,866.4	3,887.2	3,859.4	3,739.2	3,518.3	
Colorado	423.9	423.7	422.3	420.6	413.8	412.0	411.6	409.9	411.2	427.4	425.5	428.3	430.5	412.5	390.1	
Connecticut		879.6	877.8	881.0	871.2	867.9	863.0	857.9	856.5	880.3	860.8	850.0	846.7	846.0	828.7	
District of Columbia	501.1	502.0	507.3	513.8	513.9	515.4	517.7	519.5	522.4	540.2	528.4	527.4	525.9	529.1	525.1	
Florida <sup>2</sup>	809.7	796.5	792.8	805.7	819.3	846.2	862.6	870.6	868.2	862.9	816.2	786.6	766.5	796.1	747.9	
Georgia	885.6	890.9	886.6	884.0	881.4	875.8	873.7	869.6	869.4	887.1	884.0	884.0	882.6	873.5	849.7	
Idaho <sup>2</sup>	143.7	140.3	139.9	137.3	133.9	131.3	128.2	126.6	127.5	138.8	141.5	143.4	146.0	137.0	137.7	
Illinois	3,419.0	3,405.4	3,386.7	3,413.1	3,397.4	3,390.5	3,373.3	3,359.9	3,358.2	3,455.6	3,384.3	3,361.0	3,346.1	3,312.2	3,264.8	
Indiana	1,417.2	1,401.1	1,403.8	1,406.1	1,402.7	1,406.6	1,402.3	1,389.9	1,376.8	1,409.0	1,388.4	1,382.5	1,383.0	1,345.5	1,351.2	
Iowa	648.8	647.7	641.9	640.0	633.6	631.1	625.8	622.1	623.1	645.2	638.8	640.0	635.9	630.2	628.0	
Kansas <sup>2</sup>	549.6	551.0	551.8	553.3	551.7	549.4	543.2	539.8	539.9	556.4	550.4	548.2	549.9	540.1	511.1	
Louisiana	695.8	688.5	681.6	681.1	676.4	676.9	673.6	670.3	672.2	697.1	690.7	690.4	685.7	673.1	654.5	
Maine	286.1	286.4	286.5	285.9	273.6	264.7	267.5	271.2	273.4	284.0	283.2	285.6	289.9	278.4	272.3	
Maryland	784.5	780.1	780.4	780.2	768.8	764.5	759.2	752.6	750.8	774.0	773.3	773.4	779.7	756.3	741.4	
Massachusetts	1,801.3	1,800.7	1,795.3	1,812.3	1,801.7	1,793.5	1,780.4	1,774.0	1,775.1	1,833.0	1,806.1	1,801.8	1,799.4	1,783.4	1,793.2	
Minnesota	865.3	864.7	855.8	845.5	836.7	827.0	825.5	827.2	834.7	862.1	847.5	846.2	854.1	828.8	826.3	
Missouri	1,289.7	1,281.5	1,269.8	1,281.2	1,286.0	1,282.0	1,273.2	1,264.0	1,260.3	1,312.4	1,287.9	1,289.5	1,287.9	1,266.5	1,235.0	
Montana	163.5	162.9	161.6	160.1	155.8	151.8	149.2	148.1	150.0	157.1	156.6	159.6	163.3	154.1	149.0	
Nevada <sup>2</sup>	75.1	70.5	75.6	73.7	71.5	69.6	67.6	66.2	66.1	68.5	68.1	68.5	68.7	65.7	58.2	
New Hampshire <sup>2</sup>	177.7	181.4	179.7	178.4	174.4	172.1	171.1	171.9	172.3	175.6	174.2	176.0	176.3	173.4	172.4	
New Jersey	1,838.9	1,832.6	1,827.0	1,828.9	1,811.1	1,786.1	1,802.4	1,793.4	1,800.5	1,849.9	1,826.7	1,824.7	1,821.6	1,789.9	1,755.2	
New Mexico <sup>2</sup>	176.9	176.5	177.4	178.0	176.9	176.4	174.2	173.5	173.6	178.1	175.6	175.6	174.1	170.2	159.9	
New York	5,094.5	5,066.3	5,046.2	5,064.2	5,019.0	5,007.9	5,016.3	5,074.7	5,071.6	5,099.6	5,080.4	5,087.5	5,061.7	5,064.5	5,795.1	
North Carolina <sup>2</sup>	1,013.7	1,003.0	990.2	993.7	991.6	991.1	996.8	994.9	996.0	1,035.8	1,021.8	1,018.0	1,008.3	990.8	970.8	
North Dakota <sup>2</sup>	112.6	111.9	112.0	112.1	110.9	107.7	104.7	104.3	105.8	111.0	110.8	112.1	112.6	108.6	111.5	
Ohio	3,117.0	3,096.9	3,085.3	3,083.4	3,061.1	3,048.3	3,037.3	3,006.0	3,002.5	3,092.2	3,034.7	3,029.4	3,016.0	2,954.1	2,929.0	
Oklahoma	529.1	525.2	526.9	529.0	525.2	523.0	521.5	519.0	522.4	535.0	526.8	526.8	526.9	520.1	501.8	
Oregon <sup>2</sup>	490.2	488.1	488.7	477.9	468.9	460.8	449.1	440.7	441.2	465.9	469.7	481.9	495.0	465.2	459.2	
Pennsylvania	3,749.5	3,739.0	3,729.0	3,747.8	3,729.3	3,712.8	3,713.1	3,693.9	3,699.1	3,819.2	3,764.8	3,759.6	3,748.5	3,666.6	3,716.4	
Rhode Island	365.6	364.1	363.9	367.2	365.5	366.4	368.0	364.7	365.0	315.3	314.1	312.1	311.3	304.7	307.7	
South Carolina	525.7	526.0	522.0	524.5	523.2	522.8	524.4	523.2	525.2	538.3	533.0	533.0	534.0	524.0	495.0	
South Dakota <sup>2</sup>	120.1	118.6	119.4	120.9	119.8	118.7	114.9	113.8	114.7	122.1	121.9	122.6	122.8	119.0	122.3	
Tennessee	835.7	831.5	829.9	830.9	825.0	822.2	818.3	813.8	816.7	842.4	823.7	823.0	820.5	806.7	786.0	
Texas	2,278.7	2,269.2	2,275.3	2,280.8	2,267.9	2,268.2	2,250.9	2,241.1	2,244.2	2,299.8	2,258.1	2,249.9	2,248.4	2,215.0	2,165.5	
Utah	223.4	219.5	218.8	215.2	215.9	213.7	211.2	209.5	210.7	221.1	221.2	221.8	225.3	213.3	206.5	
Vermont	105.7	105.7	104.3	104.2	103.4	102.0	100.7	100.1	99.8	102.4	101.0	101.8	99.9	99.5	99.4	
Virginia	910.1	901.2	902.0	900.5	895.5	893.6	891.8	886.9	890.5	923.8	904.8	901.7	903.0	890.4	860.0	
Washington	766.9	756.3	758.9	759.1	733.4	722.0	717.8	707.5	707.4	740.8	740.1	756.0	766.0	731.3	722.2	
West Virginia	507.9	505.4	501.2	506.3	505.1	505.4	506.1	503.0	508.6	528.2	516.7	516.6	522.4	521.1	532.3	
Wisconsin <sup>2</sup>	1,105.7	1,102.6	1,102.1	1,095.2	1,095.0	1,090.5	1,084.4	1,079.0	1,075.1	1,109.4	1,097.7	1,093.3	1,097.6	1,076.5	1,071.9	
Wyoming <sup>2</sup>	88.0	89.2	88.5	86.7	83.9	82.3	80.8	79.6	80.8	85.9	86.6	88.3	90.5	85.7	82.7	

<sup>1</sup> Data for earlier years are available upon request to the Bureau of Labor Statistics or the cooperating State agency. State agencies also make available more detailed industry data. See table A-7 for addresses of cooperating State agencies.

<sup>2</sup> Revised series; not comparable with data previously published.

<sup>3</sup> Not comparable with preceding data shown.

TABLE A-7: Employees in manufacturing industries, by State<sup>1</sup>

(In thousands)

State	1953										1952				Annual average	
	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	1952	1951	
Alabama	239.4	236.2	232.8	235.1	233.8	237.1	236.7	237.7	236.3	238.4	237.8	236.5	233.8	226.9	225.3	
Arizona	28.9	27.4	28.1	28.5	28.8	29.3	29.5	29.3	29.2	29.8	29.7	28.9	28.5	27.7	22.7	
Arkansas	81.7	78.9	78.5	79.2	79.7	80.1	80.2	79.5	79.4	82.2	82.7	82.6	81.7	80.4	82.5	
California <sup>2</sup>	1,128.4	1,128.5	1,084.1	1,087.8	1,054.9	1,051.0	1,032.9	1,023.7	1,018.4	1,029.0	1,041.7	1,066.1	1,055.5	993.6	892.6	
Colorado	71.1	69.2	68.3	67.8	66.3	66.1	66.5	66.8	66.9	71.3	73.6	73.1	71.8	66.8	65.4	
Connecticut		452.7	448.5	455.4	452.6	452.6	452.0	449.3	446.2	445.6	442.0	431.5	429.3	431.1	423.3	
Delaware	65.8	67.7	63.1	62.4	62.5	61.9	61.5	60.9	60.5	60.4	60.8	62.3	64.2	59.2	56.0	
District of Columbia	17.2	17.0	16.9	16.9	16.8	16.8	17.0	16.8	16.9	17.3	17.2	17.1	17.2	17.2	17.1	
Florida <sup>2</sup>	114.8	114.7	114.2	117.4	120.0	123.2	126.6	128.7	127.5	124.2	117.3	111.4	109.9	115.0	108.7	
Georgia	313.4	315.2	310.9	309.9	310.5	310.3	311.5	309.0	308.5	310.1	310.7	310.7	308.4	305.9	304.4	
Idaho <sup>2</sup>	27.4	26.4	26.6	24.7	22.8	21.5	19.7	18.9	19.1	22.4	25.0	26.4	28.5	23.3	24.0	
Illinois	1,331.4	1,333.3	1,314.1	1,338.2	1,332.4	1,336.9	1,342.0	1,334.5	1,322.9	1,322.4	1,300.9	1,276.3	1,263.1	1,256.5	1,246.7	
Indiana	671.8	664.6	665.4	661.1	665.2	675.0	675.4	666.2	653.9	653.8	645.4	636.9	639.5	609.7	615.8	
Iowa	168.4	173.3	170.9	171.2	171.0	173.5	174.4	175.2	172.8	176.1	174.4	172.1	165.6	169.6	168.4	
Kansas <sup>2</sup>	134.5	139.2	140.9	142.0	141.5	142.9	142.6	142.4	142.7	142.6	140.0	139.3	135.7	135.7	116.9	
Kentucky		154.5	155.1	156.3	155.5	156.9	157.4	161.0	163.4	163.0	149.4	150.2	148.2	148.3	151.6	
Louisiana	162.4	162.6	160.0	157.8	156.1	154.6	152.8	152.0	150.4	157.4	159.9	158.1	153.4	150.3	146.5	
Maine	120.2	120.3	120.1	120.9	111.9	107.4	112.5	117.1	117.6	118.6	120.9	121.6	123.2	116.4	115.0	
Maryland	282.5	284.0	277.8	275.9	270.1	269.4	267.2	264.3	265.2	264.7	265.6	270.0	277.6	259.2	254.4	
Massachusetts	722.9	727.6	720.2	733.5	730.6	734.9	741.8	738.8	733.6	736.6	732.1	725.5	719.4	717.7	740.5	
Michigan	1,157.2	1,195.8	1,217.6	1,239.3	1,238.9	1,241.1	1,237.4	1,219.6	1,204.6	1,189.8	1,163.2	1,126.9	1,096.4	1,080.5	1,111.1	
Minnesota	227.9	232.2	228.0	218.3	216.1	216.2	216.5	215.0	213.3	217.0	215.5	213.4	223.5	211.5	206.6	
Mississippi	98.2	97.9	98.3	97.7	97.0	98.9	98.8	98.3	98.0	98.9	98.8	98.6	98.1	95.2	94.3	
Missouri <sup>2</sup>	419.1	422.7	414.1	420.7	417.7	418.1	417.4	413.0	405.7	406.3	404.2	401.6	400.3	389.8	372.9	
Montana	20.1	19.9	19.9	19.2	18.5	17.1	16.7	16.6	17.3	18.9	19.7	20.4	20.0	18.4	18.1	
Nebraska	60.6	61.2	62.0	61.6	59.3	59.5	59.8	59.9	61.4	62.0	61.7	61.3	61.8	59.8	54.8	
Nevada <sup>2</sup>	4.3	4.4	4.4	4.3	4.2	4.2	4.1	4.2	4.1	4.3	4.4	4.4	4.4	4.2	3.6	
New Hampshire <sup>2</sup>	82.2	82.9	81.7	82.4	81.7	82.2	83.3	84.5	84.2	83.2	83.4	81.8	81.9	81.2	82.2	
New Jersey	843.4	842.3	832.5	842.9	836.7	836.7	851.1	847.8	845.0	849.2	847.9	843.5	839.8	824.4	810.5	
New Mexico <sup>2</sup>	16.1	16.6	16.7	16.5	16.5	16.6	16.1	16.1	16.0	16.1	16.7	16.8	16.7	15.6	14.2	
New York	2,009.3	2,013.2	1,969.0	1,982.6	1,964.2	1,987.2	2,030.6	2,014.9	1,986.9	2,010.4	2,013.9	2,020.0	2,008.2	1,942.0	1,918.2	
North Carolina	449.5	445.9	433.4	431.8	432.2	433.8	438.9	439.6	441.2	447.6	449.5	450.2	446.8	432.4	432.9	
North Dakota	6.6	6.7	6.7	6.7	6.5	6.5	6.5	6.4	6.7	6.7	6.8	6.6	6.5	6.5	6.1	
Ohio	1,414.3	1,411.5	1,408.1	1,413.8	1,408.2	1,412.5	1,421.9	1,409.6	1,394.9	1,385.7	1,368.1	1,362.5	1,319.5	1,317.3	1,315.2	
Oklahoma	86.5	86.6	85.3	84.8	84.6	84.3	83.5	82.8	82.9	84.0	84.2	83.1	82.3	80.1	73.2	
Oregon <sup>2</sup>	158.5	155.2	157.2	149.7	145.0	141.0	135.0	130.3	129.2	135.6	144.1	152.1	162.1	145.5	147.7	
Pennsylvania	1,518.4	1,524.8	1,521.1	1,529.8	1,525.6	1,528.5	1,534.7	1,527.0	1,518.8	1,519.5	1,519.9	1,507.6	1,492.9	1,444.5	1,494.1	
Rhode Island	145.8	146.4	145.8	147.5	146.8	147.3	149.4	149.2	148.4	150.2	151.4	149.6	148.4	144.4	149.8	
South Carolina	222.3	223.2	220.7	222.5	221.3	222.9	222.4	221.8	221.9	222.3	221.7	221.4	221.7	218.1	218.4	
South Dakota <sup>2</sup>	12.1	12.2	12.2	12.2	11.7	11.6	11.5	11.6	11.8	12.4	12.7	12.5	12.2	12.0	11.6	
Tennessee	293.4	295.5	294.0	292.8	293.1	296.8	298.4	286.4	285.9	287.6	285.5	283.3	282.6	274.3	264.6	
Texas	435.0	437.9	438.6	437.6	437.5	437.1	437.9	437.2	436.4	437.5	437.1	434.6	432.3	425.9	401.9	
Utah	38.2	33.7	35.3	31.9	31.2	30.6	29.9	29.6	29.7	31.2	32.8	34.1	36.7	30.8	31.3	
Vermont	41.3	41.3	39.9	40.5	40.8	40.7	40.5	40.3	39.6	39.3	39.4	39.3	37.8	38.3	38.7	
Virginia	290.2	287.0	284.8	284.0	283.2	284.5	285.2	284.6	286.0	286.2	285.2	285.7	284.2	247.6	242.6	
Washington	211.7	204.9	207.5	202.6	199.9	186.8	189.3	186.8	186.6	190.1	196.6	207.5	212.8	192.1	191.8	
West Virginia	138.3	138.8	135.1	137.6	137.6	137.3	137.0	134.7	136.4	138.1	138.2	135.2	136.9	134.6	138.1	
Wisconsin	479.6	482.5	479.4	471.0	477.1	479.4	481.6	478.8	474.8	475.0	475.8	470.1	479.0	466.9	463.1	
Wyoming <sup>2</sup>	7.0	7.0	6.8	6.4	6.0	6.0	6.0	5.9	6.0	6.5	7.0	7.2	6.7	6.3	6.1	

<sup>1</sup> Data for earlier years are available upon request to the Bureau of Labor Statistics or the cooperating State agency. State agencies also make available more detailed industry data.

<sup>2</sup> Revised series; not comparable with data previously published.

#### Cooperating State Agencies

Alabama—Department of Industrial Relations, Montgomery 5.  
 Arizona—Unemployment Compensation Division, Employment Security Commission, Phoenix.  
 Arkansas—Employment Security Division, Department of Labor, Little Rock.  
 California—Division of Labor Statistics and Research, Department of Industrial Relations, San Francisco 1.  
 Colorado—U. S. Bureau of Labor Statistics, Denver 2.  
 Connecticut—Employment Security Division, Department of Labor, Hartford 15.  
 Delaware—Federal Reserve Bank of Philadelphia, Philadelphia 1, Pennsylvania.  
 District of Columbia—U. S. Employment Service for D. C., Washington 25.  
 Florida—Industrial Commission, Tallahassee.  
 Georgia—Employment Security Agency, Department of Labor, Atlanta 3.  
 Idaho—Employment Security Agency, Boise.  
 Illinois—Illinois State Employment Service and Division of Unemployment Compensation, Chicago 54.  
 Indiana—Employment Security Division, Indianapolis 9.  
 Iowa—Employment Security Commission, Des Moines 8.  
 Kansas—Employment Security Division, State Labor Department, Topeka.  
 Kentucky—Bureau of Employment Security, Department of Economic Security, Frankfort.  
 Louisiana—Division of Employment Security, Department of Labor, Baton Rouge 4.  
 Maine—Employment Security Commission, Augusta.  
 Maryland—Department of Employment Security, Baltimore 1.  
 Massachusetts—Division of Statistics, Department of Labor and Industries, Boston 8.  
 Michigan—Employment Security Commission, Detroit 2.

Minnesota—Department of Employment Security, St. Paul 1.  
 Mississippi—Employment Security Commission, Jackson.  
 Missouri—Division of Employment Security, Jefferson City.  
 Montana—Unemployment Compensation Commission, Helena.  
 Nebraska—Division of Employment Security, Department of Labor, Lincoln 1.  
 Nevada—Employment Security Department, Carson City.  
 New Hampshire—Division of Employment Security, Department of Labor, Concord.  
 New Jersey—Department of Labor and Industry, Trenton 8.  
 New Mexico—Employment Security Commission, Albuquerque.  
 New York—Bureau of Research and Statistics, Division of Employment, New York Department of Labor, 1440 Broadway, New York 18.  
 North Carolina—Department of Labor, Raleigh.  
 North Dakota—Unemployment Compensation Division, Bismarck.  
 Ohio—Bureau of Unemployment Compensation, Columbus 16.  
 Oklahoma—Employment Security Commission, Oklahoma City 2.  
 Oregon—Unemployment Compensation Commission, Salem.  
 Pennsylvania—Federal Reserve Bank of Philadelphia, Philadelphia 1 (mfg.); Bureau of Research and Information, Department of Labor and Industry, Harrisburg (nonmfg.).  
 Rhode Island—Department of Labor, Providence 3.  
 South Carolina—Employment Security Commission, Columbia 1.  
 South Dakota—Employment Security Department, Aberdeen.  
 Tennessee—Department of Employment Security, Nashville 3.  
 Texas—Employment Commission, Austin 19.  
 Utah—Department of Employment Security, Industrial Commission, Salt Lake City 13.  
 Vermont—Unemployment Compensation Commission, Montpelier.  
 Virginia—Division of Research and Statistics, Department of Labor and Industry, Richmond 14.  
 Washington—Employment Security Department, Olympia.  
 West Virginia—Department of Employment Security, Charleston 5.  
 Wisconsin—Industrial Commission, Madison 3.  
 Wyoming—Employment Security Commission, Casper.

TABLE A-8: Insured unemployment under State unemployment insurance programs,<sup>1</sup> by geographic division and State

[In thousands]														
Geographic division and State	1953										1952			1951
	Sept.	Aug.	July	June	May	April	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Sept.
Continental United States.....	779.4	816.1	861.1	832.7	899.0	960.6	1,014.5	1,083.6	1,155.9	861.5	685.8	631.4	687.1	859.8
New England.....	66.1	64.0	66.6	61.9	74.6	79.6	76.3	81.4	88.2	71.1	60.4	60.8	72.5	106.4
Maine.....	5.3	4.9	5.8	6.3	9.9	11.6	8.1	8.9	9.7	7.9	5.8	4.3	4.1	7.4
New Hampshire.....	7.2	5.5	5.8	6.2	7.4	7.2	6.0	5.4	5.9	4.9	4.7	5.1	6.0	8.2
Vermont.....	1.2	1.1	1.1	1.0	1.1	1.4	1.6	1.9	2.1	1.7	1.4	1.5	2.1	1.7
Massachusetts.....	34.5	31.4	34.7	32.7	38.0	39.4	39.3	42.5	45.6	48.8	33.3	32.9	39.1	52.7
Rhode Island.....	9.3	10.0	9.7	9.3	11.2	11.7	12.9	13.4	14.0	10.1	8.3	9.4	11.2	21.8
Connecticut.....	8.6	11.1	9.5	6.4	6.8	8.3	8.4	9.3	10.9	7.7	6.9	7.6	10.0	14.5
Middle Atlantic.....	251.2	257.0	263.8	273.0	299.1	313.5	301.4	310.9	320.9	280.8	223.4	211.6	217.8	298.6
New York.....	127.2	132.2	133.6	136.6	153.4	164.3	157.8	165.5	185.9	158.0	122.6	108.4	107.4	178.2
New Jersey.....	36.3	39.1	45.9	40.2	45.5	48.6	43.7	45.1	54.6	40.4	32.4	32.1	31.8	42.9
Pennsylvania.....	85.7	85.7	84.3	78.2	80.2	100.6	99.9	100.3	110.4	82.4	68.4	71.1	78.6	77.5
East North Central.....	152.4	155.8	149.2	130.0	124.8	121.2	122.3	138.3	157.9	124.9	101.9	102.9	127.2	158.0
Ohio.....	25.2	23.0	23.6	29.4	26.6	24.5	26.9	30.6	32.7	25.6	20.9	19.9	23.6	30.4
Indiana.....	14.7	14.6	14.8	14.4	11.8	11.5	12.9	15.2	20.0	16.3	10.2	10.8	12.4	15.1
Illinois.....	43.3	49.7	53.7	54.5	57.0	55.8	45.1	50.9	60.2	45.7	38.8	40.9	52.3	62.1
Michigan.....	52.4	53.1	50.6	22.7	20.9	19.9	24.4	27.0	29.5	25.0	24.7	24.1	29.6	44.5
Wisconsin.....	16.8	15.4	17.5	9.0	8.5	9.5	13.0	14.6	15.5	12.3	7.3	7.2	9.3	5.9
West North Central.....	32.3	31.1	38.1	39.0	42.6	53.6	69.9	74.3	70.2	45.7	28.7	23.2	25.1	30.8
Minnesota.....	5.8	6.7	7.6	8.0	12.3	19.8	25.1	23.5	22.2	12.7	5.3	4.7	5.1	6.3
Iowa.....	3.7	4.0	4.3	4.0	4.6	5.8	8.0	8.9	7.8	4.5	2.8	3.0	6.0	2.4
Missouri.....	16.4	14.2	19.0	20.1	18.2	17.2	18.6	20.2	22.3	17.6	14.9	12.4	18.9	18.3
North Dakota.....	.2	.2	.3	.5	.9	2.3	4.2	4.4	3.8	2.2	.8	.2	.2	.1
South Dakota.....	.2	.2	.2	.2	.4	.9	1.9	2.2	2.0	1.0	.4	.2	.2	.2
Nebraska.....	1.0	.9	1.1	1.2	1.8	2.6	4.7	5.9	5.0	2.7	.8	.7	.7	.6
Kansas.....	5.0	4.9	5.6	5.0	4.4	5.0	6.4	7.2	7.1	5.0	2.7	2.0	2.0	2.9
South Atlantic.....	91.7	101.8	112.5	105.2	103.5	101.0	104.1	105.6	111.7	84.6	71.3	70.9	79.3	94.7
Delaware.....	1.2	.8	.9	.9	.9	1.0	1.3	1.6	1.6	1.3	.8	.6	.7	1.1
Maryland.....	8.2	9.7	10.7	10.3	12.2	12.5	10.6	12.1	13.1	9.7	6.8	5.9	7.2	6.5
District of Columbia.....	2.6	2.4	2.5	2.4	2.6	3.0	3.5	3.6	3.1	2.3	1.9	1.6	1.7	1.4
Virginia.....	8.4	10.7	13.7	14.8	11.2	7.5	9.3	9.4	10.3	6.9	5.3	4.9	6.0	8.2
West Virginia.....	12.4	14.2	16.6	15.3	15.3	16.6	17.6	17.3	17.6	13.3	12.2	11.4	11.9	8.5
North Carolina.....	21.3	20.9	24.5	23.8	27.3	28.2	28.2	27.0	26.7	20.0	16.7	15.2	17.1	28.5
South Carolina.....	9.3	11.0	12.3	10.1	10.6	10.3	10.8	10.6	11.4	8.1	6.8	6.4	6.9	9.6
Georgia.....	11.9	12.8	14.3	13.8	13.6	13.5	14.0	14.8	16.9	13.3	10.1	10.0	10.6	13.8
Florida.....	16.4	19.3	17.0	11.8	9.7	8.4	8.7	9.2	11.0	9.7	10.7	14.9	17.2	17.1
East South Central.....	52.5	58.7	60.9	57.5	66.2	69.3	71.3	75.0	75.7	61.0	51.9	50.2	54.2	54.7
Kentucky.....	14.9	17.0	17.0	17.3	19.4	20.2	20.0	19.6	17.8	14.9	14.2	14.8	14.8	13.5
Tennessee.....	19.3	19.3	21.2	18.4	21.6	23.0	22.9	26.0	27.3	21.7	18.1	16.7	19.1	22.7
Alabama.....	12.2	14.2	14.1	13.9	15.4	16.0	16.9	17.1	17.9	15.2	12.8	12.8	14.2	12.2
Mississippi.....	6.1	8.2	8.6	7.9	9.6	10.1	11.5	12.3	12.7	9.2	6.8	5.9	6.1	6.3
West South Central.....	37.3	45.1	46.2	44.2	49.0	51.0	58.2	61.2	57.2	44.6	32.6	27.0	29.6	30.2
Arkansas.....	5.7	7.5	7.6	7.2	8.9	10.8	12.6	14.5	13.6	10.5	6.8	4.4	4.4	4.5
Louisiana.....	8.8	11.2	12.2	11.8	12.9	13.2	15.6	16.7	16.3	12.2	9.2	8.7	10.2	12.1
Oklahoma.....	6.0	8.2	9.1	9.2	9.5	10.2	11.9	12.8	11.6	9.2	6.8	5.4	5.7	5.5
Texas.....	16.8	18.2	17.3	16.0	16.7	16.8	17.8	17.2	15.7	12.7	9.8	8.8	9.3	8.1
Mountain.....	11.0	12.7	12.7	12.8	15.1	21.1	29.1	33.5	30.7	19.4	9.6	8.2	6.1	6.7
Montana.....	.6	.7	1.0	1.4	2.2	3.9	6.3	6.9	5.9	3.3	1.2	.5	.4	.6
Idaho.....	1.2	1.3	1.4	1.5	2.2	4.0	6.1	8.1	7.9	5.2	1.9	.7	.7	.7
Wyoming.....	.2	.2	.2	.3	.8	.7	1.4	1.7	1.4	.7	.2	.1	.1	.1
Colorado.....	1.5	1.8	1.8	1.6	2.0	2.8	3.2	3.4	2.9	1.8	1.0	.6	.6	.7
New Mexico.....	2.0	2.3	1.9	1.7	1.8	2.2	2.7	2.8	2.7	1.8	.9	.8	.8	.9
Arizona.....	3.3	3.8	3.5	3.2	3.2	3.3	3.6	3.6	3.3	2.5	2.0	1.8	1.8	2.0
Utah.....	1.5	1.8	2.1	2.3	2.4	3.1	4.4	5.3	4.9	2.9	1.5	1.1	1.1	1.2
Nevada.....	.7	.8	.8	.8	.8	1.1	1.4	1.7	1.7	1.2	.9	.6	.6	.5
Pacific.....	85.0	90.0	100.0	107.1	125.1	150.4	182.7	203.4	213.2	159.8	106.0	78.2	75.2	79.9
Washington.....	16.9	15.6	14.0	12.5	17.5	26.0	35.4	43.5	47.7	38.6	25.3	16.1	12.8	9.6
Oregon.....	9.6	10.1	9.6	8.9	11.6	16.6	24.2	31.2	33.3	24.4	14.9	10.0	6.9	6.3
California.....	58.5	64.3	76.4	85.7	96.0	107.8	124.1	128.7	132.2	96.8	65.8	52.1	55.5	64.0

<sup>1</sup> Average of weekly data adjusted for split weeks in the month. For a technical description of this series, see the April 1950 Monthly Labor Review (p. 382).

Figures may not add to exact column totals because of rounding.

SOURCE: U. S. Department of Labor, Bureau of Employment Security.

## B: Labor Turnover

TABLE B-1: Monthly labor turnover rates (per 100 employees) in manufacturing industries, by class of turnover<sup>1</sup>

Class of turnover and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total separation:<sup>†</sup></b>												
1953	3.8	3.6	4.1	4.3	4.4	4.2	4.3	4.8	5.3			
1952	4.0	3.9	3.7	4.1	3.9	3.9	4.0	4.6	4.9	4.2	3.5	3.8
1951	4.1	3.8	4.1	4.6	4.8	4.3	4.4	5.3	5.1	4.7	4.3	3.5
1950	3.1	3.0	2.9	2.8	3.1	3.0	2.9	4.2	4.9	4.3	3.8	3.6
1949	4.6	4.1	4.8	4.8	5.2	4.3	3.8	4.0	4.2	4.1	4.0	3.2
1948	4.3	4.7	4.5	4.7	4.3	4.5	4.4	5.1	5.4	4.5	4.1	4.3
1947	4.9	4.5	4.9	5.2	5.4	4.7	4.6	5.3	5.9	5.0	4.0	3.7
1946	6.8	6.3	6.6	6.3	6.3	5.7	5.8	6.6	6.9	6.3	4.9	4.5
1939	3.2	2.6	3.1	3.5	3.5	3.3	3.3	3.0	2.8	2.9	3.0	3.5
<b>Quit:</b>												
1953	2.1	2.2	2.5	2.7	2.7	2.6	2.5	2.9	3.1			
1952	1.9	1.9	2.0	2.2	2.2	2.2	2.2	3.0	3.5	2.8	2.1	1.7
1951	2.1	2.1	2.5	2.7	2.8	2.5	2.4	3.1	3.1	2.5	1.9	1.4
1950	1.1	1.0	1.2	1.3	1.6	1.7	1.8	2.9	3.4	2.7	2.1	1.7
1949	1.7	1.4	1.6	1.7	1.6	1.5	1.4	1.8	2.1	1.5	1.2	.9
1948	2.6	2.5	2.8	3.0	2.8	2.9	2.9	3.4	3.9	2.8	2.2	1.7
1947	3.5	3.2	3.5	3.7	3.5	3.1	3.1	4.0	4.5	3.6	2.7	2.3
1946	4.3	3.9	4.2	4.3	4.2	4.0	4.6	5.3	5.3	4.7	3.7	3.0
1939	.9	.6	.8	.8	.7	.7	.7	.8	1.1	.9	.8	.7
<b>Discharge:</b>												
1953	.3	.4	.4	.4	.4	.4	.4	.4	1.4			
1952	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3
1951	.3	.3	.3	.4	.4	.3	.3	.4	.3	.4	.3	.3
1950	.2	.2	.2	.2	.3	.3	.3	.4	.4	.4	.3	.3
1949	.3	.3	.3	.2	.2	.2	.2	.3	.2	.2	.2	.2
1948	.4	.4	.4	.4	.3	.4	.4	.4	.4	.4	.4	.3
1947	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
1946	.5	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
1939	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.1
<b>Layoff:</b>												
1953	.9	.8	.8	.9	1.0	.9	1.1	1.3	1.5			
1952	1.4	1.3	1.1	1.3	1.1	1.1	2.2	1.0	.7	.7	.7	1.1
1951	1.0	.8	.8	1.0	1.2	1.0	1.3	1.4	1.3	1.4	1.7	1.5
1950	1.7	1.7	1.4	1.2	1.1	.9	.6	.6	.7	.8	1.1	1.3
1949	2.5	2.3	2.8	2.8	3.3	2.5	2.1	1.8	1.8	2.3	2.5	2.0
1948	1.2	1.7	1.2	1.2	1.1	1.1	1.0	1.2	1.0	1.2	1.4	2.3
1947	.9	.6	.9	1.0	1.4	1.1	1.0	.8	.9	.9	.8	.9
1946	1.8	1.7	1.8	1.4	1.8	1.2	.6	.7	1.0	1.0	.7	1.0
1939	2.2	1.9	2.2	2.6	2.7	2.5	2.5	2.1	1.6	1.8	2.0	2.7
<b>Miscellaneous including military:</b>												
1953	.4	.4	.3	.3	.3	.3	.3	.3	1.3			
1952	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
1951	.7	.6	.5	.5	.4	.4	.4	.4	.4	.4	.4	.3
1950	.1	.1	.1	.1	.1	.1	.2	.3	.4	.4	.3	.3
1949	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1948	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1947	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
1946	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.1
<b>Total accession:</b>												
1953	4.4	4.2	4.4	4.3	4.1	5.1	4.1	4.3	4.0			
1952	4.4	3.9	3.9	3.7	3.9	4.9	4.4	5.9	5.6	5.2	4.0	3.3
1951	5.2	4.5	4.6	4.5	4.5	4.9	4.2	4.5	4.3	4.4	3.9	3.0
1950	3.6	3.2	3.6	3.5	4.4	4.8	4.7	6.6	5.7	5.2	4.0	3.0
1949	3.2	2.9	3.0	2.9	3.5	4.4	3.5	4.4	4.1	3.7	3.3	3.2
1948	4.6	3.9	4.0	4.0	4.1	5.7	4.7	5.0	5.1	4.5	3.9	2.7
1947	6.0	5.0	5.1	5.1	4.8	5.5	4.9	5.3	5.9	5.5	4.8	3.6
1946	8.5	6.8	7.1	6.7	6.1	6.7	7.4	7.0	7.1	6.8	5.7	4.3
1939	4.1	3.1	3.3	2.9	3.3	3.9	4.2	5.1	6.2	5.9	4.1	2.8

<sup>1</sup> Month-to-month changes in total employment in manufacturing industries as indicated by labor turnover rates are not comparable with the changes shown by the Bureau's employment and payroll reports, for the following reasons:

(1) Accessions and separations are computed for the entire calendar month; the employment and payroll reports, for the most part, refer to a 1-week pay period ending nearest the 15th of the month.

(2) The turnover sample is not so large as that of the employment and payroll sample and includes proportionately fewer small plants; certain industries are not covered. The major industries excluded are: printing, publishing, and allied industries; canning and preserving fruits, vegetables, and sea foods; women's, misses', and children's outerwear; and fertilizers.

(3) Plants are not included in the turnover computations in months when work stoppages are in progress; the influence of such stoppage is reflected, however, in the employment and payroll figures. Prior to 1943, rates relate to production workers only.

<sup>†</sup> Preliminary.

<sup>‡</sup> Prior to 1940, miscellaneous separations were included with quits.

<sup>§</sup> Beginning with data for October 1952, components may not add to total because of rounding.

NOTE: Information on concepts, methodology, etc., is given in a technical note on "Measurement of Labor Turnover," which appeared in the May 1953 Monthly Labor Review.



TABLE B-2: Monthly labor turnover rates (per 100 employees) in selected groups and industries <sup>1</sup>

Industry group and industry	Separation												Total accession	
	Total		Quit		Discharge		Layoff		Misc., incl. military					
	Sept. 1953	Aug. 1952	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953		
<b>Manufacturing</b>														
All manufacturing	5.3	4.8	3.1	2.9	0.4	0.4	1.5	1.3	0.3	0.3	4.0	4.3		
Durable goods <sup>1</sup>	5.5	4.9	3.1	2.8	.4	.4	1.8	1.4	.3	.3	4.1	4.3		
Nondurable goods <sup>1</sup>	4.8	4.6	3.2	3.0	.3	.4	1.1	1.0	.2	.3	3.8	4.3		
<b>Ordinance and accessories</b>	5.1	4.2	3.2	2.9	.6	.7	1.0	.5	.2	.1	4.1	3.9		
<b>Food and kindred products</b>	6.6	6.6	4.0	3.7	.5	.7	1.9	1.9	.2	.2	5.6	6.9		
Meat products	5.0	5.7	2.5	2.5	.4	.5	1.9	2.4	.2	.3	5.5	5.9		
Grain-mill products	5.6	5.3	4.4	3.8	.6	.9	.4	.4	.2	.3	5.5	5.4		
Bakery products	6.0	6.1	4.8	4.4	.6	.6	.5	1.0	.1	.1	6.2	6.3		
Beverages	9.5	8.7	4.4	3.6	.6	.9	4.2	4.0	.2	.2	3.9	7.0		
Malt liquors	2.9	2.9	2.4	2.3	.3	.3	.1	.1	.1	.1	4.1	3.8		
<b>Tobacco manufactures</b>	2.5	2.4	1.9	1.8	.3	.4	.1	.1	.2	.2	2.9	3.3		
Cigarettes	3.4	3.4	3.1	3.0	.2	.3	.1	.1	( <sup>1</sup> )	.1	5.6	4.7		
Cigars	2.0	2.0	1.0	1.4	.5	.3	.1	.1	.3	.1	1.9	1.6		
Tobacco and snuff	4.9	4.6	2.8	2.7	.3	.3	1.6	1.3	.2	.3	3.4	3.8		
<b>Textile-mill products</b>	7.2	5.4	2.9	2.7	.2	.2	3.9	2.2	.1	.3	2.9	3.9		
Yarn and thread mills	4.9	5.0	2.9	2.9	.3	.3	1.4	1.4	.4	.4	4.1	3.9		
Cotton, silk, synthetic fiber	4.6	4.7	3.0	3.0	.3	.3	1.0	1.0	.4	.4	4.0	3.8		
Woolen and worsted	8.1	8.4	2.1	1.8	.3	.2	5.4	6.0	.2	.3	4.8	4.3		
Knitting mills	3.9	3.7	2.7	2.8	.2	.3	.8	.4	.1	.1	3.0	3.7		
Full-fashioned hosiery	2.8	2.8	2.4	2.4	.1	.1	.2	.1	.1	.1	2.4	2.9		
Seamless hosiery	4.1	3.6	2.9	2.6	.2	.1	.7	.6	.3	.2	3.4	3.9		
Knit underwear	4.0	4.2	3.0	3.4	.1	.4	.8	.3	.1	( <sup>1</sup> )	2.7	3.6		
Dyeing and finishing textiles	4.5	3.8	2.8	2.4	.4	.4	1.1	.9	.2	.2	1.8	3.8		
Carpets, rugs, other floor coverings	3.1	3.3	2.1	1.8	.3	.3	.5	.9	.2	.3	2.5	3.3		
<b>Apparel and other finished textile products</b>	4.9	5.2	4.2	4.2	.2	.2	.4	.6	.1	.1	4.9	4.9		
Men's and boys' suits and coats	3.7	4.8	2.7	3.3	.2	.2	.7	1.1	.1	.2	4.3	4.8		
Men's and boys' furnishings and work clothing	5.3	5.1	4.8	4.6	.1	.2	.3	.3	.1	.1	5.3	5.3		
<b>Lumber and wood products (except furniture)</b>	6.6	5.8	4.7	4.2	.3	.4	1.4	1.0	.3	.2	4.3	5.4		
Logging camps and contractors	8.5	8.7	7.5	5.9	.3	.4	.6	2.2	.1	.3	5.8	8.3		
Sawmills and planing mills	6.4	5.2	4.6	4.1	.4	.4	1.2	.6	.2	.2	4.2	5.0		
Millwork, plywood, and prefabricated structural wood products	5.5	4.8	2.9	3.4	.2	.3	2.3	.8	.1	.3	3.2	4.0		
<b>Furniture and fixtures</b>	6.3	6.2	4.3	4.2	.5	.5	1.3	1.3	.2	.2	5.5	5.8		
Household furniture	5.8	6.2	3.9	4.0	.4	.5	1.3	1.4	.2	.2	5.6	5.3		
Other furniture and fixtures	7.5	6.3	5.2	4.6	.8	.4	1.2	1.0	.2	.2	5.3	7.1		
<b>Paper and allied products</b>	4.5	3.9	3.3	2.9	.5	.5	.5	.3	.3	.3	3.6	4.3		
Pulp, paper, and paperboard mills	3.4	2.8	2.6	2.1	.3	.3	.3	.2	.3	.2	2.7	3.2		
Paperboard containers and boxes	6.1	5.4	4.4	4.3	.8	.7	.1	.2	.2	.4	5.4	6.2		
<b>Chemicals and allied products</b>	3.1	2.6	2.1	1.6	.3	.2	.5	.6	.2	.2	2.1	2.2		
Industrial inorganic chemicals	3.6	3.7	2.4	2.5	.2	.4	.6	.4	.2	.4	2.5	2.8		
Industrial organic chemicals	2.8	2.3	1.8	1.2	.1	.2	.7	.8	.1	.2	1.4	1.6		
Synthetic fibers	4.0	2.8	1.3	.9	.1	.1	2.4	1.7	.2	.2	2.6	1.9		
Drugs and medicines	2.2	2.1	1.9	1.6	.1	.1	.1	.3	.2	.1	1.4	1.8		
Paints, pigments, and fillers	3.8	3.1	2.6	2.0	.6	.3	.5	.7	.1	.3	2.8	2.1		
<b>Products of petroleum and coal</b>	2.3	1.7	1.6	1.2	.1	.1	.4	.2	.2	.2	1.3	1.3		
Petroleum refining	1.6	1.2	1.1	.8	( <sup>1</sup> )	( <sup>1</sup> )	.2	.1	.2	.1	.7	.7		
<b>Rubber products</b>	4.5	3.8	2.5	2.3	.2	.2	1.4	1.0	.4	.3	2.9	2.9		
Tires and inner tubes	4.3	2.6	1.5	1.3	.1	.1	2.4	.9	.3	.4	1.3	1.4		
Rubber footwear	4.8	4.7	4.3	4.3	.2	.2	.2	( <sup>1</sup> )	.2	.2	4.2	6.1		
Other rubber products	4.6	4.8	3.1	2.8	.3	.3	.9	1.4	.4	.3	4.1	3.4		
<b>Leather and leather products</b>	5.6	5.2	3.8	3.8	.2	.3	1.4	.9	.2	.2	3.5	4.0		
Leather	4.3	3.7	2.1	1.9	.1	.3	1.8	1.4	.2	.1	2.6	2.8		
Footwear (except rubber)	5.9	5.5	4.2	4.2	.3	.3	1.3	.9	.2	.2	3.7	4.2		
<b>Stone, clay, and glass products</b>	3.8	4.2	2.5	2.6	.3	.3	.8	1.0	.3	.3	3.5	4.2		
Glass and glass products	3.3	5.0	1.8	2.5	.3	.3	1.0	1.9	.3	.3	4.8	6.0		
Cement, hydraulic	3.8	3.0	2.4	2.2	.4	.4	.7	.1	.3	.3	2.4	2.8		
Structural clay products	5.6	4.8	4.2	3.4	.4	.4	.8	.8	.3	.1	4.3	4.3		
Pottery and related products	3.2	3.5	2.3	2.3	.2	.4	.6	.7	.2	.2	2.8	3.2		
<b>Primary metal industries</b>	4.2	3.8	2.2	2.1	.3	.4	1.4	1.1	.3	.3	2.5	2.9		
Blast furnaces, steel works, and rolling mills	3.2	2.8	2.0	1.8	.1	.2	.8	.5	.3	.2	1.9	2.1		
Iron and steel foundries	5.9	5.7	2.6	2.7	.4	.5	2.7	2.2	.1	.3	3.1	4.0		
Gray iron foundries	6.1	4.6	2.6	2.7	.5	.5	2.7	1.1	.3	.4	4.0	5.0		
Malleable iron foundries	6.0	8.2	3.3	3.1	.4	.7	2.1	4.2	.1	.3	4.0	5.1		
Steel foundries	5.8	5.6	2.2	2.5	.4	.5	3.0	2.5	.1	.1	1.8	2.6		
<b>Primary smelting and refining of nonferrous metals</b>	3.3	2.4	2.3	1.4	.4	.4	.2	.1	.3	.4	2.2	2.1		
Primary smelting and refining of copper, lead, and zinc	3.3	2.7	1.7	1.8	.5	.4	1.1	.3	.1	.2	2.3	2.4		
Rolling, drawing, and alloying of nonferrous metals	7.7	7.3	2.8	2.8	.8	.7	3.8	3.5	.3	.3	4.3	3.8		
Rolling, drawing, and alloying of copper	5.3	3.6	2.3	2.6	.4	.4	2.4	.3	.2	.2	2.9	3.4		

See footnotes at end of table.

TABLE B-2: Monthly labor turnover rates (per 100 employees) in selected groups and industries<sup>1</sup>—Continued

Industry group and industry	Separation										Total accession	
	Total		Quit		Discharge		Layoff		Misc., incl. military			
	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953	Sept. 1953	Aug. 1953
<b>Manufacturing—Continued</b>												
Fabricated metal products (except ordnance, machinery, and transportation equipment)	6.4	6.0	3.5	3.3	0.5	0.6	2.1	1.8	0.3	0.3	4.3	5.1
Cutlery, hand tools, and hardware	5.9	4.4	3.5	2.7	.3	.3	1.6	1.1	.4	.3	3.3	3.5
Cutlery and edge tools	2.2	3.2	1.6	1.5	.3	.3	.2	1.2	.1	.1	2.2	2.1
Handtools	4.0	3.4	2.0	2.2	.3	.2	1.4	.8	.2	.1	2.8	2.3
Heating apparatus (except electric) and plumbers' supplies	7.1	5.1	4.4	3.3	.3	.3	1.9	1.1	.5	.4	3.7	4.4
Sanitary ware and plumbers' supplies	7.1	7.1	4.1	4.2	.6	.6	2.2	2.0	.2	.2	5.0	6.0
Oil burners, nonelectric heating and cooking apparatus, not elsewhere classified	4.7	7.4	3.1	3.6	.5	.5	.9	3.2	.1	.2	3.8	4.6
Fabricated structural metal products	9.0	6.8	4.9	4.8	.7	.7	3.2	1.0	.2	.3	5.9	7.2
Metal stamping, coating, and engraving	5.1	4.8	3.4	3.1	.7	.8	.8	.7	.2	.2	4.7	4.8
Machinery (except electrical)	9.6	8.9	3.7	3.8	.4	.5	5.0	4.1	.7	.5	5.5	4.7
Engines and turbines	4.3	4.4	2.3	2.0	.3	.3	1.4	1.8	.2	.2	3.1	2.6
Agricultural machinery and tractors	3.3	5.6	2.2	2.1	.4	.4	.5	2.7	.3	.3	2.3	2.8
Construction and mining machinery	(5)	8.1	(5)	1.7	(5)	.2	(5)	5.8	(5)	.4	(5)	2.1
Metalworking machinery	5.2	4.6	2.4	2.2	.4	.4	2.2	1.9	.2	.1	2.7	2.9
Machine tools	3.4	3.1	2.2	2.2	.3	.3	.4	.4	.1	.1	2.4	2.4
Metalworking machinery (except machine tools)	2.9	2.6	2.1	1.9	.3	.3	.3	.3	.1	.1	2.4	2.4
Machine-tool accessories	3.4	3.4	2.3	2.3	.3	.4	.7	.5	.1	.2	2.6	3.1
Special-industry machinery (except metalworking machinery)	4.2	4.4	3.4	3.0	.3	.4	.5	.9	.1	.1	4.0	4.4
General industrial machinery	4.0	3.5	2.2	1.9	.4	.3	1.3	1.1	.1	.1	2.8	2.6
Office and store machines and devices	3.5	3.4	2.3	2.0	.3	.4	.7	.8	.2	.3	2.8	2.4
Service-industry and household machines	2.7	2.5	2.0	1.8	.2	.1	.2	.4	.2	.1	4.0	2.9
Miscellaneous machinery parts	5.9	5.1	2.5	2.0	.3	.3	2.8	2.5	.2	.4	4.2	2.5
Electrical machinery	3.8	4.9	2.1	2.2	.3	.4	1.2	2.1	.2	.3	2.4	2.4
Electrical generating, transmission, distribution, and industrial apparatus	5.2	3.8	3.3	2.7	.5	.3	1.1	.5	.3	.3	4.7	4.1
Communication equipment	3.4	2.5	1.8	1.6	.2	.2	1.1	.6	.2	.2	2.1	2.0
Radio, phonographs, television sets, and equipment	6.6	4.4	4.4	3.4	.7	.5	1.2	.3	.4	.3	6.3	5.6
Telephone, telegraph, and related equipment	7.1	4.8	4.4	3.7	.8	.7	1.5	.2	.3	.2	6.7	6.3
Electrical appliances, lamps, and miscellaneous products	(5)	2.7	(5)	2.0	(5)	.1	(5)	.1	(5)	.4	(5)	2.7
Transportation equipment	5.7	4.8	3.9	3.3	.5	.4	1.0	.9	.3	.3	5.3	4.7
Automobiles	7.4	6.0	3.1	2.9	.3	.4	3.5	2.3	.5	.4	5.1	5.0
Aircraft and parts	9.1	7.0	2.7	2.8	.3	.5	5.3	3.2	.8	.6	5.2	4.7
Aircraft	5.1	3.8	3.5	2.8	.3	.4	1.1	.5	.2	.2	4.3	4.5
Aircraft engines and parts	5.2	3.7	3.6	2.8	.3	.3	1.2	.5	.1	.2	4.4	4.7
Aircraft propellers and parts	4.1	4.1	3.2	3.0	.5	.5	.2	.3	.2	.2	4.1	3.9
Other aircraft parts and equipment	4.2	1.9	1.4	1.8	.3	.1	2.4	(5)	.1	.1	1.0	2.0
Ship- and boatbuilding and repairing	6.6	4.5	3.6	3.0	.6	.6	2.2	.7	.2	.2	4.6	5.3
Railroad equipment	9.9	11.0	3.6	4.0	.3	.5	5.7	6.3	.3	.2	8.5	11.0
Locomotives and parts	7.5	6.5	2.3	2.3	.4	.4	4.0	3.0	.7	.8	5.2	4.0
Railroad and streetcars	9.0	4.3	1.5	1.7	.1	.1	6.7	1.7	.7	.7	8.6	7.5
Other transportation equipment	5.9	9.3	3.2	3.1	.8	.9	1.3	4.6	.7	.7	3.1	4.0
Instruments and related products	3.0	2.4	2.1	2.1	.6	.1	.1	.1	.1	.1	2.8	2.7
Photographic apparatus	3.0	2.8	2.2	1.5	.1	.2	.4	.9	.3	.2	2.8	1.7
Watches and clocks	2.6	1.2	2.3	(5)	(5)	(5)	.1	(5)	(5)	.1	1.6	(5)
Professional and scientific instruments	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Miscellaneous manufacturing industries	2.9	2.7	1.9	1.4	.1	.3	.6	.8	.3	.3	2.0	2.3
Jewelry, silverware, and plated ware	6.5	5.8	4.7	4.4	.5	.5	1.0	.6	.3	.4	6.2	7.7
	5.4	3.9	4.7	2.9	.4	.4	.1	.4	.2	.2	5.3	5.1
<b>Nonmanufacturing</b>												
Metal mining	5.4	5.3	4.1	4.3	.4	.3	.5	.3	.3	.3	4.8	3.8
Iron mining	2.2	1.8	1.8	1.2	.1	.1	(5)	.3	.3	.3	1.2	1.4
Copper mining	5.3	5.6	4.6	4.8	.3	.3	.1	.1	.3	.4	5.5	4.1
Lead and zinc mining	7.1	4.6	3.1	3.3	.3	.1	3.4	1.0	.4	.2	3.1	2.2
Anthracite mining	1.3	1.6	.9	1.2	(5)	(5)	.2	.3	.1	.2	1.4	1.4
Bituminous-coal mining	1.8	2.3	1.2	1.0	(5)	.1	.4	1.1	.1	.1	1.6	1.6
Communication:												
Telephone	(5)	2.4	(5)	2.0	(5)	.1	(5)	.2	(5)	.1	(5)	1.8
Telegraph	(5)	2.3	(5)	1.8	(5)	.1	(5)	.3	(5)	.2	(5)	1.8

<sup>1</sup> See footnote 1, table B-1. Current month data subject to revision without notation; revised figures for earlier months will be indicated by footnotes.<sup>2</sup> See footnote 2, table A-2.<sup>3</sup> See footnote 3, table A-2. Printing, publishing, and allied industries are excluded.<sup>4</sup> Less than 0.05.<sup>5</sup> Data are not available.<sup>6</sup> Data relate to domestic employees except messengers and those compensated entirely on a commission basis.

## C: Earnings and Hours

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>

Year and month	Mining																	
	Metal									Coal								
	Total: Metal			Iron			Copper			Lead and zinc			Anthracite			Bituminous		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$74.56	43.6	\$1.71	\$72.68	42.5	\$1.71	\$78.54	45.2	\$1.70	\$76.11	43.0	\$1.77	\$66.66	36.3	\$2.20	\$77.79	35.2	\$2.21
1952: Average.....	81.65	43.9	1.86	80.34	43.9	1.83	85.73	46.2	1.88	81.60	42.5	1.92	71.19	31.5	2.26	78.32	34.2	2.29
September.....	85.76	44.9	1.91	85.95	45.0	1.91	91.29	47.3	1.93	82.08	43.2	1.90	70.73	34.1	2.25	87.91	38.9	2.26
1952: November.....	83.26	43.5	1.90	86.15	43.0	2.05	85.69	45.1	1.90	80.98	42.4	1.91	80.91	35.8	2.26	86.27	35.5	2.43
December.....	84.83	43.5	1.95	82.78	41.6	1.99	90.40	46.6	1.94	82.18	42.8	1.92	85.56	34.5	2.48	91.73	36.4	2.82
1953: January.....	84.71	43.0	1.97	82.21	40.7	2.02	92.66	46.8	1.98	80.26	41.8	1.92	70.75	28.3	2.50	87.79	35.4	2.48
February.....	84.08	42.9	1.96	83.42	41.5	2.01	88.14	45.2	1.95	80.64	42.0	1.92	86.75	34.7	2.50	81.42	32.7	2.49
March.....	84.48	43.1	1.96	84.03	41.6	2.02	87.95	45.1	1.95	81.13	42.7	1.90	65.70	26.6	2.47	81.76	33.1	2.47
April.....	84.67	43.2	1.96	84.84	42.0	2.02	88.53	45.4	1.95	79.57	42.1	1.89	61.99	25.3	2.45	79.61	32.1	2.48
May.....	86.29	43.8	1.97	88.74	43.5	2.04	88.98	45.4	1.98	79.00	41.8	1.89	77.19	31.0	2.49	84.97	34.4	2.47
June.....	86.96	43.7	1.99	90.67	43.8	2.07	87.81	44.8	1.96	79.61	41.9	1.90	91.63	36.8	2.49	91.25	36.5	2.50
July.....	88.82	42.7	2.08	95.82	42.4	2.26	86.33	43.6	1.98	79.52	41.2	1.93	83.89	34.1	2.46	84.97	34.4	2.47
August.....	91.52	44.0	2.08	96.98	43.1	2.25	93.26	46.4	2.01	79.30	41.3	1.92	69.99	25.1	2.43	94.37	37.9	2.49
September.....	94.79	44.5	2.13	99.43	43.8	2.27	98.33	47.5	2.07	82.15	41.7	1.97	70.85	28.8	2.46	86.80	35.0	2.48
Mining—Continued																		
Crude petroleum and natural-gas production	Nonmetallic mining and quarrying									Contract construction								
	Total: Contract construction									Nonbuilding construction								
Petroleum and natural-gas production (except contract services)	Total: Nonbuilding construction									Highway and street								
	Other nonbuilding construction									Total: Building construction								
1951: Average.....	\$79.76	40.9	\$1.95	\$67.05	45.0	\$1.49	\$81.49	37.9	\$2.15	\$80.78	40.8	\$1.98	\$74.62	41.0	\$1.82	\$85.26	40.6	\$2.10
1952: Average.....	85.90	41.1	2.09	71.10	45.0	1.58	87.85	38.7	2.27	86.72	41.1	2.11	80.26	41.8	1.92	91.35	40.6	2.25
September.....	89.21	41.3	2.16	75.17	46.4	1.62	91.94	39.8	2.31	94.18	43.6	2.16	89.30	45.1	1.98	97.94	42.4	2.31
1952: November.....	90.47	41.5	2.18	73.14	44.6	1.64	88.13	37.5	2.35	85.02	39.0	2.18	78.41	39.6	1.98	80.71	38.5	2.33
December.....	87.72	40.8	2.15	71.28	44.0	1.62	90.86	38.5	2.36	87.02	40.1	2.17	78.59	40.3	1.95	92.40	40.0	2.31
1953: January.....	89.40	41.2	2.17	70.19	42.8	1.64	88.16	37.2	2.37	83.93	38.5	2.18	74.31	38.5	1.93	80.32	38.5	2.32
February.....	88.29	40.5	2.18	70.85	43.2	1.64	89.01	37.4	2.38	85.19	38.9	2.19	77.22	39.2	1.97	90.02	38.8	2.32
March.....	88.73	40.7	2.18	72.77	44.1	1.65	88.67	37.1	2.39	84.26	38.3	2.20	75.42	37.9	1.99	89.55	38.6	2.32
April.....	88.13	40.8	2.16	74.37	44.8	1.66	89.15	37.3	2.39	85.02	39.0	2.18	77.62	39.4	1.97	90.02	38.8	2.32
May.....	88.99	41.2	2.16	75.94	45.2	1.68	90.58	37.9	2.39	87.30	40.0	2.18	81.61	40.4	2.02	91.71	39.7	2.31
June.....	87.02	40.1	2.17	76.78	45.7	1.68	92.25	38.6	2.39	91.34	41.9	2.18	88.10	43.4	2.03	94.19	40.6	2.32
July.....	92.74	41.4	2.24	77.63	45.4	1.71	91.82	38.1	2.41	92.16	41.7	2.21	88.37	42.9	2.06	95.65	40.7	2.35
August.....	93.60	41.6	2.25	78.60	45.7	1.72	93.41	38.6	2.42	96.08	42.7	2.25	92.63	43.9	2.11	98.59	41.6	2.37
September.....	92.57	40.6	2.28	78.23	44.7	1.75	90.52	37.1	2.44	90.85	40.2	2.25	87.54	41.1	2.13	93.77	39.4	2.38
Building construction																		
Total: Building construction	General contractors									Special-trade contractors								
	Total: Special-trade contractors									Plumbing and heating								
1951: Average.....	Painting and decorating									Electrical work								
	Other special-trade contractors <sup>1</sup>									Roofing and sheet-metal work								
1951: Average.....	\$81.47	37.2	\$2.19	\$75.03	36.6	\$2.05	\$87.32	37.8	\$2.31	\$91.34	39.2	\$2.33	\$78.76	35.8	\$2.20	\$102.26	40.1	\$2.55
1952: Average.....	88.61	38.1	2.31	82.78	38.5	2.15	91.99	37.7	2.44	94.92	38.9	2.44	82.72	35.2	2.35	110.30	40.7	2.71
September.....	91.18	38.8	2.35	86.19	39.0	2.21	95.59	38.7	2.47	97.07	39.3	2.47	87.00	36.1	2.41	113.16	41.3	2.74
1952: November.....	88.67	37.1	2.39	85.12	38.0	2.24	91.36	36.4	2.51	93.38	37.5	2.49	82.78	34.2	2.42	110.64	39.8	2.78
December.....	91.08	38.2	2.40	88.37	39.1	2.26	94.50	37.5	2.52	98.50	39.4	2.50	84.46	34.9	2.42	114.11	40.9	2.79
1953: January.....	88.93	36.9	2.41	86.26	38.0	2.27	91.33	36.1	2.53	96.25	38.5	2.50	81.41	33.5	2.43	111.50	40.4	2.76
February.....	89.78	37.1	2.42	86.71	38.2	2.27	92.20	36.3	2.54	95.00	38.0	2.50	82.96	34.0	2.44	109.97	39.7	2.77
March.....	89.79	36.8	2.44	85.79	37.3	2.30	92.82	36.4	2.55	96.39	38.1	2.53	84.18	34.5	2.44	110.21	39.5	2.79
April.....	90.04	36.9	2.44	86.71	37.7	2.30	92.57	36.3	2.55	96.39	38.1	2.53	84.28	34.4	2.45	109.09	39.1	2.79
May.....	91.01	37.3	2.44	87.40	38.0	2.30	94.21	36.8	2.56	97.41	38.2	2.55	85.61	34.8	2.46	109.98	39.0	2.82
June.....	91.90	37.7	2.44	88.55	38.5	2.30	94.98	37.1	2.56	97.67	38.3	2.55	87.75	35.1	2.50	110.21	39.5	2.79
July.....	91.64	37.1	2.47	87.14	37.4	2.33	95.20	36.9	2.58	97.01	37.6	2.58	88.35	35.2	2.51	109.48	39.1	2.80
August.....	93.00	37.5	2.48	88.83	37.8	2.35	96.35	37.2	2.59	98.56	38.2	2.58	90.41	35.2	2.54	110.26	39.1	2.82
September.....	90.39	36.3	2.49	85.90	36.4	2.36	93.50	36.1	2.59	94.69	36.7	2.58	88.49	34.7	2.55	105.74	37.1	2.85
Other special-trade contractors <sup>1</sup>																		
1951: Average.....	Masonry									Plastering and lathing								
	Carpentry									Roofing and sheet-metal work								
1951: Average.....	\$83.62	37.0	\$2.26	\$78.05	35.0	\$2.23	\$89.69	34.9	\$2.57	\$73.24	35.9	\$2.04	\$70.95	36.2	\$1.96	\$81.95	39.2	\$2.09
1952: Average.....	88.43	37.0	2.39	81.55	34.7	2.35	90.05	33.6	2.68	75.90	35.8	2.12	76.53	36.1	2.12	85.81	40.1	2.14
September.....	92.54	38.4	2.41	88.30	37.1	2.38	94.94	34.4	2.76	81.70	36.8	2.22	82.46	38.0	2.17	93.20	42.6	2.19
1952: November.....	87.93	35.6	2.47	82.90	33.7	2.46	91.04	32.4	2.81	77.63	34.5	2.25	78.68	35.6	2.21	85.65	38.3	2.22
December.....	89.41	36.2	2.47	82.50	33.0	2.50	92.50	32.8	2.82	79.52	35.5	2.24	81.03	36.5	2.22	86.80	39.1	2.22
1953: January.....	85.18	34.2	2.49	77.25	30.9	2.50	89.80	31.4	2.86	71.78	31.9	2.25	73.99	33.3	2.22	82.72	37.6	2.20
February.....	87.25	34.9	2.50	79.36	32.0	2.48	95.24	33.3	2.86	79.12	34.7	2.26	74.14	33.1	2.24	83.25	37.5	2.22
March.....	88.10	35.1	2.51	81.50	32.6	2.50	93.99	33.1	2.90	78.30	34.8	2.25	75.94	33.9	2.24	83.78	37.4	2.24
April.....	88.10	35.1	2.51	81.00	32.4	2.50	96.57	33.3	2.90	76.05	33.8	2.25	76.05	33.8	2.25	82.73	37.1	2.23
May.....	90.36	36.0	2.51	86.50	34.6	2.50	97.15	33.5	2.90	77.70	35.0	2.22	79.74	35.6	2.24	83.36	38.8	2.20
June.....	91.39	36.5	2.52	89.00	35.6	2.50	96.19	33.4	2.88	82.44	36.0	2.29	82.98	34.5	2.24	89.82	40.1	2.24
July.....	92.46	36.4	2.54	89.85	36.5	2.51	96.72	33.7	2.87	82.70	35.8	2.31	83.31	36.7	2.27	92.75	40.5	2.29
August.....	92.85	36.7	2.53	91.48	36.3	2.52	98.50	34.2	2.88	77.40	34.4	2.25	83.17	36.8	2.26	92.52	40.4	2.29
September.....	91.44	36.0	2.54	92.60	36.6	2.53	97.73	33.7	2.90	81.08	35.1	2.31	81.27	35.8	2.27	92.34	39.8	2.29

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing																	
	Total: Manu- facturing			Durable goods *			Nondurable goods *			Total: Ordnance and accessories			Food and kindred products					
													Total: Food and kindred products			Meat products *		
	Avg. wkly. earn- ings	Avg. wkly. hours	Avg. hrly. earn- ings	Avg. wkly. earn- ings	Avg. wkly. hours	Avg. hrly. earn- ings	Avg. wkly. earn- ings	Avg. wkly. hours	Avg. hrly. earn- ings	Avg. wkly. earn- ings	Avg. wkly. hours	Avg. hrly. earn- ings	Avg. wkly. earn- ings	Avg. wkly. hours	Avg. hrly. earn- ings	Avg. wkly. earn- ings	Avg. wkly. hours	Avg. hrly. earn- ings
1951: Average.....	\$64.71	40.7	\$1.59	\$69.47	41.6	\$1.67	\$58.46	39.5	\$1.48	\$74.12	43.6	\$1.70	\$59.02	41.9	\$1.43	\$65.78	41.9	\$1.57
1952: Average.....	67.97	40.7	1.67	73.04	41.5	1.76	60.98	39.6	1.54	77.22	42.9	1.80	63.23	41.6	1.52	70.30	41.6	1.69
September.....	69.63	41.2	1.69	75.42	41.9	1.80	62.06	40.3	1.54	79.85	42.7	1.87	63.03	42.3	1.49	70.55	41.5	1.70
1952: November.....	70.28	41.1	1.71	76.26	41.9	1.82	62.56	40.1	1.56	75.03	41.0	1.83	64.64	41.7	1.55	75.08	43.4	1.73
December.....	72.14	41.7	1.73	77.78	42.5	1.83	63.59	40.5	1.57	76.73	41.7	1.84	65.68	42.1	1.56	77.26	44.4	1.74
1953: January.....	71.34	41.0	1.74	76.91	41.8	1.84	62.88	39.8	1.58	75.85	41.0	1.85	65.35	41.1	1.59	74.23	41.7	1.78
February.....	71.17	40.9	1.74	77.15	41.7	1.85	62.88	39.8	1.58	77.38	41.6	1.86	64.71	40.7	1.59	70.00	40.0	1.75
March.....	71.93	41.1	1.75	77.52	41.9	1.85	63.60	40.0	1.59	77.46	41.2	1.88	65.28	40.8	1.60	71.33	40.3	1.77
April.....	71.40	40.8	1.75	77.38	41.6	1.86	62.81	39.5	1.59	76.52	40.7	1.88	64.64	40.4	1.60	70.62	39.9	1.77
May.....	71.63	40.7	1.76	77.19	41.5	1.86	63.20	39.5	1.60	78.25	41.4	1.89	66.17	41.1	1.61	71.86	40.6	1.77
June.....	71.63	40.7	1.76	77.42	41.4	1.87	63.52	39.7	1.60	78.88	41.3	1.91	67.14	41.7	1.61	74.29	41.5	1.79
July.....	71.33	40.3	1.77	76.70	40.8	1.88	63.76	39.6	1.61	77.87	41.2	1.89	66.88	41.8	1.60	72.85	40.7	1.79
August.....	71.51	40.4	1.77	77.08	41.0	1.88	63.76	39.6	1.61	78.53	40.9	1.92	66.14	41.6	1.59	73.08	40.6	1.80
September.....	71.02	39.9	1.78	76.55	40.5	1.89	63.18	39.0	1.62	79.13	41.0	1.93	67.46	41.9	1.61	77.56	41.7	1.86
Food and kindred products—Continued																		
</																		



TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																	
	Food and kindred products—Continued																	
	Confectionery			Beverages <sup>1</sup>			Bottled soft drinks			Malt liquors			Distilled, rectified, and blended liquors			Miscellaneous food products <sup>2</sup>		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$48.36	40.3	\$1.20	\$68.99	41.7	\$1.64	\$53.19	43.6	\$1.22	\$78.01	41.1	\$1.92	\$68.74	40.2	\$1.71	\$57.11	42.3	\$1.35
1952: Average.....	50.67	39.9	1.27	71.14	41.6	1.71	55.73	43.2	1.29	82.20	41.1	2.00	70.88	39.6	1.79	59.78	42.1	1.42
September.....	52.10	40.7	1.28	71.62	41.4	1.73	56.59	43.2	1.31	83.23	40.8	2.04	69.93	38.9	1.79	61.92	42.7	1.45
1952: November.....	52.07	41.0	1.27	72.51	41.2	1.76	55.73	41.9	1.33	82.82	40.6	2.04	70.54	41.6	1.84	61.19	42.2	1.45
December.....	52.45	41.3	1.27	71.98	40.9	1.76	58.36	42.6	1.37	82.62	40.5	2.04	69.50	38.4	1.81	60.47	41.7	1.45
1953: January.....	50.18	38.9	1.29	70.93	40.3	1.76	56.71	41.7	1.36	80.79	39.8	2.03	70.67	38.2	1.85	61.27	41.4	1.48
February.....	50.30	39.3	1.28	71.51	40.4	1.77	57.12	42.0	1.36	82.40	40.0	2.06	69.93	37.8	1.85	61.54	41.3	1.49
March.....	50.83	39.1	1.30	71.96	40.2	1.79	58.25	42.5	1.37	82.95	39.5	2.10	69.01	37.3	1.85	61.27	41.4	1.48
April.....	49.66	38.2	1.30	73.49	40.6	1.81	57.40	41.9	1.37	85.40	40.5	2.11	71.24	38.3	1.86	61.59	41.2	1.49
May.....	52.00	39.1	1.33	75.54	41.6	1.84	60.20	43.0	1.40	89.60	41.7	2.15	70.67	38.2	1.85	61.86	41.8	1.48
June.....	52.13	38.9	1.34	79.66	42.6	1.87	63.05	44.4	1.42	94.98	42.4	2.24	72.91	39.2	1.86	61.86	41.8	1.48
July.....	50.65	37.8	1.34	80.60	43.1	1.87	64.08	44.5	1.44	97.45	43.7	2.23	71.05	38.2	1.86	63.57	42.1	1.51
August.....	51.88	39.3	1.32	79.95	42.3	1.89	61.92	43.3	1.43	94.57	42.6	2.22	73.70	39.2	1.88	63.72	42.2	1.51
September.....	53.06	39.6	1.34	81.06	42.0	1.93	63.06	43.9	1.45	95.68	41.6	2.30	73.33	38.8	1.89	65.06	42.8	1.52
Food and kindred products—Continued																		
	Cereals, sugar, oil, and starch			Manufactured ice			Total: Tobacco manufactures			Cigarettes			Cigars			Tobacco and snuff		
1951: Average.....	\$73.37	44.2	\$1.66	\$55.90	46.2	\$1.21	\$43.51	38.5	\$1.13	\$54.37	39.4	\$1.38	\$39.10	37.6	\$1.04	\$45.96	37.7	\$1.22
1952: Average.....	77.00	43.5	1.77	59.80	46.0	1.30	44.55	38.4	1.17	56.45	39.2	1.44	40.13	37.5	1.07	47.87	37.4	1.28
September.....	79.12	43.0	1.84	61.58	46.3	1.33	45.54	40.3	1.13	59.45	41.0	1.45	41.04	38.0	1.08	50.44	38.5	1.31
1952: November.....	79.79	42.9	1.86	62.88	45.9	1.37	45.05	38.5	1.17	58.11	39.8	1.46	42.46	38.6	1.10	49.26	37.6	1.31
December.....	75.12	42.2	1.78	61.16	45.3	1.35	46.26	39.2	1.18	59.98	40.8	1.47	41.80	38.0	1.10	50.18	38.9	1.29
1953: January.....	75.95	41.8	1.83	61.61	45.3	1.36	46.80	38.5	1.21	57.67	39.5	1.46	41.51	37.4	1.11	49.91	38.1	1.31
February.....	77.78	42.5	1.83	69.21	44.6	1.35	45.39	36.9	1.23	54.75	37.5	1.46	41.51	37.4	1.11	49.48	37.2	1.33
March.....	78.74	42.4	1.81	60.48	44.8	1.35	47.63	37.9	1.26	57.04	38.8	1.47	41.66	37.2	1.12	47.88	36.0	1.33
April.....	78.86	42.4	1.86	60.62	44.9	1.35	47.62	37.2	1.28	57.37	38.5	1.49	41.25	36.5	1.13	49.48	37.2	1.33
May.....	78.81	42.6	1.85	62.24	45.1	1.35	48.93	37.0	1.27	53.55	35.7	1.50	42.83	37.9	1.13	50.52	37.7	1.34
June.....	81.65	43.2	1.89	62.15	45.7	1.36	46.99	37.0	1.27	54.45	36.3	1.50	42.22	37.7	1.12	51.03	37.8	1.35
July.....	81.78	43.5	1.88	65.00	47.1	1.38	47.87	37.4	1.28	58.99	39.0	1.51	41.22	36.8	1.12	50.63	37.5	1.35
August.....	79.57	42.1	1.89	65.08	47.5	1.37	47.70	39.1	1.22	62.08	40.7	1.54	42.71	37.8	1.13	52.63	38.7	1.36
September.....	84.78	43.7	1.94	67.02	47.2	1.42	46.49	39.4	1.18	60.89	39.8	1.53	43.78	38.4	1.14	54.40	40.6	1.34
Tobacco manufactures—Continued																		
	Tobacco stemming and redrying			Total: Textile-mill products			Scouring and combing plants			Yarn and thread mills <sup>4</sup>			Yarn mills			Thread mills		
1951: Average.....	\$38.02	39.2	\$0.97	\$51.60	38.8	\$1.33	\$57.82	39.6	\$1.46	\$47.85	38.6	\$1.24	\$48.13	38.5	\$1.25	\$48.64	38.6	\$1.26
1952: Average.....	38.91	39.3	.99	53.18	39.1	1.36	62.80	40.0	1.57	49.15	38.7	1.27	49.15	38.7	1.27	49.79	38.6	1.29
September.....	39.01	42.4	.92	54.67	40.2	1.36	65.47	41.7	1.57	50.56	39.5	1.28	50.69	39.6	1.28	51.33	40.1	1.28
1952: November.....	38.00	37.5	.96	55.35	40.4	1.37	61.38	37.2	1.65	50.30	39.3	1.28	50.30	39.3	1.28	50.31	39.0	1.29
December.....	39.50	39.5	1.00	55.90	40.8	1.37	65.25	41.3	1.58	51.20	40.0	1.28	51.33	40.1	1.28	52.22	40.8	1.28
1953: January.....	40.58	39.4	1.03	54.94	40.1	1.37	64.71	40.7	1.59	50.18	39.2	1.28	50.18	39.2	1.28	50.18	39.2	1.28
February.....	37.89	35.0	1.08	54.94	40.1	1.37	63.02	40.4	1.56	50.18	39.2	1.28	50.18	39.2	1.28	52.78	40.6	1.30
March.....	43.96	38.9	1.13	54.80	40.0	1.37	61.92	40.2	1.59	50.30	39.3	1.28	50.18	39.2	1.28	53.56	41.2	1.30
April.....	42.94	36.5	1.16	53.84	39.3	1.37	61.30	38.8	1.58	48.77	38.4	1.27	48.51	38.2	1.27	50.29	39.6	1.27
May.....	42.83	36.3	1.18	53.98	39.4	1.37	64.15	40.6	1.58	49.15	38.7	1.27	48.90	38.5	1.27	50.65	40.2	1.26
June.....	42.13	35.7	1.18	53.72	39.5	1.36	65.35	41.1	1.59	49.60	39.1	1.27	49.53	39.0	1.27	50.42	39.7	1.27
July.....	41.65	35.6	1.17	53.18	39.1	1.36	66.14	41.6	1.59	49.15	38.7	1.27	49.15	38.7	1.27	49.39	39.2	1.26
August.....	39.69	39.3	1.01	52.90	38.9	1.36	62.09	39.3	1.58	48.39	38.1	1.27	48.13	37.9	1.27	49.40	38.9	1.27
September.....	37.81	39.8	.95	51.51	37.6	1.37	63.14	38.5	1.64	46.85	36.6	1.28	46.70	36.2	1.29	48.13	38.2	1.26
Textile-mill products—Continued																		
	Broad-woven fabric mills <sup>5</sup>			Cotton, silk, synthetic fiber						Woolen and worsted			Narrow fabrics and smallwares					
				United States			North			South								
1951: Average.....	\$51.74	39.2	\$1.32	\$50.70	39.3	\$1.29	\$53.54	38.8	\$1.38	\$49.25	39.4	\$1.25	\$57.87	39.1	\$1.48	\$51.48	39.6	\$1.30
1952: Average.....	51.96	38.8	1.34	49.79	38.6	1.29	55.25	38.1	1.45	48.76	38.7	1.26	62.56	40.1	1.56	54.14	40.1	1.35
September.....	54.14	40.1	1.35	51.74	39.8	1.30	56.63	39.6	1.43	50.55	39.8	1.27	64.43	41.3	1.56	55.76	41.3	1.35
1952: November.....	54.68	40.5	1.35	52.78	40.6	1.30	57.28	39.5	1.45	51.94	40.9	1.27	63.44	39.9	1.59	54.94	40.4	1.36
December.....	55.35	41.0	1.35	53.17	40.9	1.30	58.75	40.8	1.44	51.94	40.9	1.27	65.83	41.4	1.59	56.03	41.2	1.36
1953: January.....	54.54	40.4	1.35	52.28	40.2	1.30	58.06	40.6	1.43	50.93	41.1	1.27	64.33	41.1	1.57	55.62	40.9	1.35
February.....	54.27	40.2	1.35	52.26	40.2	1.30	57.92	40.5	1.43	50.93	41.1	1.27	63.43	40.4	1.57	54.95	40.7	1.36
March.....	53.60	40.0	1.34	52.13	40.1	1.30	57.29	40.3	1.42	50.93	41.1	1.27	61.93	39.7	1.56	55.22	40.6	1.36
April.....	53.20	39.7	1.34	51.48	39.6	1.30	56.12	39.8	1.41	50.17	39.5	1.27	62.56	40.1	1.56	55.08	40.5	1.36
May.....	53.73	40.1	1.34	52.00	40.0	1.30	56.40	40.0	1.41	50.80	40.0	1.27	63.54	40.6	1.56	55.20	40.0	1.38
June.....	53.47	39.9	1.34	51.21	39.7	1.29	56.54	40.1	1.41	49.80	39.6	1.26	63.90	40.7	1.57	55.75	40.4	1.38
July.....	52.93	39.5	1.34	50.70	39.3	1.29	55.86	39.9	1.50	49.27	39.1	1.26	64.06	40.8	1.57	53.96	39.1	1.38
August.....	52.14	39.2	1.33	50.44	39.1	1.29	56.20	39.9	1.41	49.01	38.9	1.26	61.62	39.5	1.56	53.16	38.8	1.37
September.....	50.79	37.9	1.34	49.14	37.8	1.30							60.06	38.5	1.56	53.84	39.3	1.37

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees <sup>1</sup>—Continued

Year and month	Manufacturing—Continued																	
	Textile-mill products—Continued																	
	Full-fashioned hosiery																	
	Knitting mills <sup>1</sup>									Seamless hosiery								
	United States			North			South			United States			North					
Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	
1951: Average.....	\$47.10	36.8	\$1.28	\$56.94	36.8	\$1.56	\$58.16	35.9	\$1.62	\$55.80	37.2	\$1.50	\$37.17	35.4	\$1.05	\$41.30	37.8	\$1.09
1952: Average.....	49.02	38.3	1.28	57.61	37.9	1.52	57.00	37.5	1.52	58.06	38.2	1.52	40.39	37.4	1.08	43.62	38.6	1.13
September.....	50.30	39.3	1.28	58.52	38.5	1.52	59.53	38.9	1.53	57.53	38.1	1.51	40.98	38.3	1.07	44.92	39.4	1.14
1952: November.....	50.94	39.8	1.28	59.89	39.4	1.52	59.28	39.0	1.52	59.95	39.7	1.51	42.73	39.2	1.09	45.66	39.7	1.15
December.....	50.05	39.1	1.28	58.67	38.6	1.52	58.06	38.2	1.52	59.28	39.0	1.52	41.97	38.6	1.09	45.47	39.2	1.16
1953: January.....	49.02	38.0	1.29	57.38	37.5	1.53	57.29	37.2	1.54	57.68	37.7	1.53	40.77	37.4	1.09	44.23	37.8	1.17
February.....	50.05	38.5	1.30	59.44	38.6	1.54	58.45	38.2	1.53	59.91	38.9	1.54	41.25	37.5	1.10	44.81	38.3	1.17
March.....	50.31	38.7	1.30	59.36	38.8	1.53	58.60	38.3	1.53	60.13	39.3	1.53	41.25	37.5	1.10	45.28	38.7	1.17
April.....	48.49	37.3	1.30	56.46	36.9	1.53	56.61	37.0	1.53	56.30	36.8	1.53	39.63	35.7	1.11	45.16	38.6	1.17
May.....	48.36	37.2	1.30	55.75	36.2	1.54	56.46	36.9	1.53	54.82	35.6	1.54	39.60	36.0	1.10	44.81	38.3	1.17
June.....	48.38	37.5	1.29	54.66	36.2	1.51	55.78	36.7	1.52	53.91	35.7	1.51	40.07	37.1	1.08	45.05	38.5	1.17
July.....	47.62	37.2	1.28	54.66	36.2	1.51	55.72	36.9	1.51	53.40	35.6	1.50	39.79	36.5	1.09	44.01	37.3	1.18
August.....	48.50	37.6	1.29	55.78	36.7	1.52	55.18	36.3	1.52	56.02	37.1	1.51	39.74	36.8	1.08	44.11	37.7	1.17
September.....	46.44	36.0	1.29	53.15	35.2	1.51							38.26	35.1	1.09			
Seamless hosiery—Continued																		
South			Knit underwear			Knit underwear			Dyeing and finishing textiles <sup>1</sup>			Dyeing and finishing textiles (except wool)			Carpets, rugs, other floor coverings <sup>1</sup>			
1951: Average.....	\$36.09	34.7	\$1.04	\$47.23	38.4	\$1.23	\$42.78	37.2	\$1.15	\$56.77	39.7	\$1.43	\$56.23	39.6	\$1.42	\$63.44	39.9	\$1.59
1952: Average.....	39.33	37.1	1.06	49.14	39.0	1.26	45.55	38.6	1.18	62.58	42.0	1.49	62.16	42.0	1.48	68.23	41.1	1.66
September.....	39.90	38.0	1.05	51.56	40.6	1.27	47.84	40.2	1.19	64.50	43.0	1.50	63.92	42.9	1.49	71.91	42.3	1.70
1952: November.....	41.84	39.1	1.07	51.71	40.4	1.28	48.35	40.3	1.20	64.20	42.8	1.50	64.20	42.8	1.50	72.24	42.0	1.72
December.....	41.09	38.4	1.07	50.69	39.6	1.28	46.77	39.3	1.19	66.44	44.0	1.51	66.59	44.1	1.51	73.55	42.4	1.73
1953: January.....	39.91	37.3	1.07	49.02	38.3	1.28	46.32	38.6	1.20	64.78	42.9	1.51	64.93	43.0	1.51	72.93	42.4	1.72
February.....	40.28	37.3	1.08	49.79	38.3	1.30	47.19	39.0	1.21	64.90	42.7	1.52	64.33	42.6	1.51	73.25	43.0	1.75
March.....	40.18	37.2	1.08	50.57	38.9	1.30	46.80	39.0	1.20	63.12	41.8	1.51	62.40	41.6	1.50	72.83	42.1	1.73
April.....	38.15	35.0	1.09	50.44	38.5	1.31	45.72	38.1	1.20	62.10	41.4	1.50	61.54	41.3	1.49	71.45	41.3	1.73
May.....	38.23	35.4	1.08	50.70	38.7	1.31	45.96	38.3	1.20	60.79	40.8	1.49	60.24	40.7	1.48	68.46	39.8	1.72
June.....	38.90	36.7	1.06	51.19	38.2	1.34	45.22	38.0	1.19	63.72	42.2	1.51	63.15	42.1	1.50	68.74	40.2	1.71
July.....	38.84	36.3	1.07	50.25	37.5	1.34	44.96	38.1	1.18	60.64	40.7	1.49	60.09	40.6	1.48	69.20	40.0	1.73
August.....	38.80	35.6	1.06	52.11	38.6	1.35	45.46	38.2	1.19	59.99	40.2	1.49	59.79	40.4	1.48	70.12	40.3	1.74
September.....				46.28	36.5	1.35	44.52	37.1	1.20	58.11	39.0	1.49	57.87	39.1	1.48	68.51	39.6	1.73
Wool carpets, rugs, and carpet yarn			Hats (except cloth and millinery)			Miscellaneous textile goods <sup>1</sup>			Felt goods (except woven felts and hats)			Lace goods			Paddings and upholstery filling			
1951: Average.....	\$60.10	37.8	\$1.59	\$49.87	36.4	\$1.37	\$57.11	40.5	\$1.41	\$96.24	41.4	\$1.60	\$52.97	37.3	\$1.42	\$58.15	40.1	\$1.45
1952: Average.....	65.74	39.6	1.66	53.20	37.2	1.43	60.06	40.6	1.48	67.70	40.3	1.68	57.22	38.4	1.49	64.17	41.4	1.55
September.....	70.28	41.1	1.71	54.77	38.3	1.43	62.25	41.5	1.50	70.45	41.2	1.71	60.34	39.7	1.52	68.26	43.2	1.68
1952: November.....	72.21	41.5	1.74	54.60	37.4	1.46	62.10	41.4	1.50	70.62	41.8	1.71	57.76	38.0	1.52	68.10	43.1	1.58
December.....	71.93	41.1	1.75	56.70	39.1	1.45	64.02	42.4	1.51	71.72	41.7	1.72	59.89	39.4	1.52	71.10	45.0	1.58
1953: January.....	74.10	42.1	1.77	57.66	38.7	1.49	62.66	41.1	1.51	69.80	41.3	1.69	58.74	38.9	1.51	68.73	43.5	1.58
February.....	74.52	42.1	1.76	57.87	39.1	1.48	61.65	41.1	1.50	71.38	41.6	1.72	60.21	39.1	1.54	64.43	41.3	1.66
March.....	72.86	41.4	1.76	57.13	38.6	1.48	62.67	41.5	1.51	71.49	42.3	1.69	61.46	39.4	1.56	64.43	41.3	1.56
April.....	70.53	40.9	1.75	51.80	35.0	1.58	62.73	41.0	1.53	71.48	41.8	1.71	62.49	39.3	1.56	65.16	41.5	1.57
May.....	66.39	38.6	1.72	55.65	37.1	1.50	61.86	40.7	1.52	72.14	41.7	1.73	62.24	38.9	1.60	64.84	41.3	1.57
June.....	66.91	38.9	1.72	57.83	38.3	1.51	62.47	41.1	1.52	70.86	41.2	1.72	63.43	39.4	1.61	63.24	40.8	1.55
July.....	66.39	38.6	1.72	51.80	35.0	1.48	62.58	40.9	1.53	69.19	40.7	1.70	62.37	38.5	1.62	65.94	42.0	1.57
August.....	68.38	39.3	1.74	54.72	36.0	1.52	62.27	40.7	1.53	69.36	40.8	1.70	63.14	38.5	1.64	65.77	40.6	1.62
September.....	66.26	38.3	1.73	49.69	33.8	1.47	62.31	40.2	1.55	72.31	41.8	1.73	62.95	39.1	1.61	64.24	38.7	1.66
Textile-mill products—Continued																		
Apparel and other finished textile products																		
Processed waste and recovered fibers			Artificial leather, oilcloth, and other coated fabrics			Cordage and twine			Total: Apparel and other finished textile products			Men's and boys' suits and coats			Men's and boys' furnishings and work clothing <sup>1</sup>			
1951: Average.....	\$49.49	42.3	\$1.17	\$69.71	43.3	\$1.61	\$52.26	40.2	\$1.30	\$46.31	35.9	\$1.29	\$52.63	35.8	\$1.47	\$38.16	36.0	\$1.06
1952: Average.....	51.24	42.7	1.20	75.58	44.2	1.71	53.06	40.6	1.34	47.45	36.5	1.30	52.15	35.0	1.49	40.80	37.5	1.08
September.....	52.39	43.3	1.21	78.93	45.1	1.75	53.60	39.0	1.34	49.10	37.2	1.32	55.42	36.7	1.51	41.64	38.2	1.09
1952: November.....	51.79	42.8	1.21	80.89	45.7	1.77	53.47	39.9	1.34	48.36	37.2	1.30	53.70	35.8	1.50	42.26	38.8	1.09
December.....	53.68	44.0	1.22	82.39	46.4	1.78	55.62	41.2	1.35	48.88	37.3	1.31	54.83	36.8	1.49	41.47	38.4	1.09
1953: January.....	50.70	41.9	1.21	79.30	44.8	1.77	52.80	39.4	1.34	48.81	36.7	1.33	54.96	36.4	1.51	43.66	37.3	1.09
February.....	51.72	43.1	1.20	77.09	43.8	1.76	54.14	40.1	1.35	49.98	37.3	1.34	57.30	37.7	1.52	41.31	37.9	1.08
March.....	51.84	43.2	1.20	82.26	45.7	1.80	54.14	40.1	1.35	49.76	37.7	1.32	59.13	38.9	1.52	41.86	38.4	1.09
April.....	51.97	42.6	1.22	81.81	45.2	1.81	53.19	39.4	1.35	47.73	37.0	1.29	56.78	37.6	1.51	41.58	37.8	1.10
May.....	52.83	43.3	1.22	77.51	43.3	1.79	52.92	39.2	1.35	47.09	36.5	1.29	56.93	37.7	1.51	41.03	37.3	1.10
June.....	51.91	42.9	1.21	81.45	45.0	1.81	53.99	39.7	1.36	48.05	36.4	1.32	58.67	36.9	1.59	41.51	37.4	1.11
July.....	50.88	42.4	1.20	80.64	44.8	1.80	53.72	39.5	1.36	48.24	36.6	1.34	57.41	36.8	1.56	40.96	36.9	1.11
August.....	51.55	42.6	1.21	78.58	43.9	1.79	54.15	39.8	1.36	49.78	36.8	1.36	59.89	37.2	1.61	41.89	37.4	1.12
September.....	50.63	41.5	1.22	79.82	44.1	1.81	53.45	39.3	1.36	46.98	34.8	1.35	56.99	35.4	1.61	40.68	36.0	1.12

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees <sup>1</sup>—Continued

Manufacturing—Continued																			
Apparel and other finished textile products—Continued																			
Year and month	Shirts, collars, and nightwear			Separate trousers			Work shirts			Women's outerwear <sup>1</sup>			Women's dresses			Household apparel			
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	
1951: Average	\$38.09	35.6	\$1.07	\$40.32	36.0	\$1.12	\$33.20	35.7	\$0.93	\$51.16	34.8	\$1.47	\$50.54	35.1	\$1.44	\$38.01	36.9	\$1.03	
1952: Average	39.90	37.0	1.08	42.86	37.6	1.14	35.15	37.8	.93	52.39	35.4	1.48	51.48	35.5	1.45	39.96	37.7	1.06	
September	40.23	37.6	1.07	43.55	38.2	1.14	35.99	38.7	.93	54.32	35.5	1.53	53.45	35.4	1.51	39.38	37.5	1.05	
1952: November	42.66	39.5	1.08	43.55	38.2	1.14	34.96	38.0	.92	51.74	35.2	1.47	51.10	35.0	1.46	41.42	38.0	1.09	
December	41.80	38.7	1.09	43.89	38.5	1.14	34.68	37.7	.92	54.30	36.2	1.50	53.51	36.4	1.47	40.45	37.8	1.07	
1953: January	40.33	37.0	1.09	44.39	38.6	1.15	33.76	37.3	.93	54.93	35.9	1.53	52.69	35.6	1.48	40.02	37.4	1.07	
February	40.82	37.8	1.08	44.93	38.4	1.17	34.78	37.8	.92	55.69	36.4	1.53	53.34	35.8	1.49	40.34	37.7	1.07	
March	41.36	38.3	1.08	46.10	39.4	1.17	35.22	38.7	.91	54.45	36.3	1.50	54.75	36.5	1.50	41.69	38.6	1.08	
April	41.42	38.0	1.09	45.75	39.1	1.17	34.96	38.0	.92	51.84	36.0	1.44	55.78	36.7	1.52	40.45	37.8	1.07	
May	40.66	37.3	1.09	44.93	38.4	1.17	34.68	37.7	.92	50.34	35.2	1.43	52.60	35.3	1.49	39.74	36.8	1.08	
June	41.78	37.3	1.12	46.10	38.1	1.21	34.76	38.2	.91	50.66	34.7	1.46	49.16	33.9	1.45	39.53	36.6	1.08	
July	41.13	36.4	1.13	43.66	37.0	1.18	34.22	37.2	.92	52.59	34.6	1.52	48.76	34.1	1.43	38.45	35.6	1.08	
August	41.66	37.2	1.12	44.89	37.1	1.21	35.79	38.9	.92	54.91	35.2	1.56	53.66	35.3	1.52	38.20	35.7	1.07	
September	40.79	36.1	1.13	43.68	36.1	1.21	34.39	36.2	.95	49.27	32.2	1.53	49.70	32.7	1.52	36.95	33.9	1.09	
Year and month	Women's suits, coats, and skirts			Women's and children's undergarments			Underwear and nightwear, except corsets			Corsets and allied garments			Millinery			Children's outerwear			
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	
1951: Average	\$63.83	32.9	\$1.94	\$41.22	36.8	\$1.12	\$39.74	36.8	\$1.08	\$43.79	36.8	\$1.19	\$57.60	36.0	\$1.60	\$41.38	36.3	\$1.14	
1952: Average	64.94	33.3	1.95	43.62	37.6	1.16	40.92	37.2	1.10	47.24	38.1	1.24	58.80	36.4	1.61	43.52	37.2	1.17	
September	67.32	34.0	1.98	44.66	38.5	1.16	42.85	38.6	1.11	47.62	38.4	1.24	62.81	38.3	1.64	44.74	37.6	1.19	
1952: November	62.27	32.6	1.91	45.43	38.5	1.18	43.84	38.8	1.13	48.01	38.1	1.26	48.47	32.1	1.51	43.64	37.3	1.17	
December	68.56	34.7	1.97	44.37	37.6	1.18	41.89	37.4	1.12	48.26	38.0	1.27	55.13	35.8	1.54	43.55	36.6	1.19	
1953: January	71.10	35.2	2.02	43.66	37.0	1.18	41.10	36.7	1.12	48.13	37.6	1.28	61.29	37.6	1.63	44.40	37.6	1.20	
February	71.15	35.4	2.01	44.63	37.5	1.19	42.00	37.5	1.12	48.88	37.6	1.30	67.77	40.1	1.69	45.80	37.6	1.21	
March	63.77	32.7	1.95	44.86	37.7	1.19	42.22	37.7	1.12	49.52	37.8	1.31	66.66	40.4	1.65	44.51	37.4	1.19	
April	54.65	29.7	1.84	44.39	37.3	1.19	41.55	37.1	1.12	49.39	37.7	1.31	51.79	34.3	1.51	42.46	36.6	1.16	
May	55.02	29.9	1.84	44.04	36.7	1.20	40.77	36.4	1.12	48.73	37.2	1.31	44.40	30.0	1.48	43.17	36.9	1.17	
June	62.51	32.9	1.90	44.04	36.7	1.20	41.47	36.7	1.13	47.71	36.7	1.30	50.05	32.5	1.54	45.26	37.1	1.22	
July	68.34	34.0	2.01	41.54	35.5	1.17	39.29	35.4	1.11	44.50	35.6	1.25	58.55	35.7	1.64	45.51	37.0	1.23	
August	69.22	34.1	2.03	43.42	36.8	1.18	40.63	36.6	1.11	47.86	37.1	1.29	64.13	38.4	1.67	45.38	36.3	1.25	
September	60.30	30.0	2.01	42.83	36.3	1.18	40.77	36.4	1.12	45.85	36.1	1.27	57.46	33.8	1.70	42.38	33.9	1.25	
Apparel and other finished textile products—Continued																		Lumber and wood products (except furniture)	
Year and month	Miscellaneous apparel and accessories			Other fabricated textile products <sup>1</sup>			Curtains, draperies, and other house-furnishings			Textile bags			Canvas products			Total: Lumber and wood products (except furniture)			
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	
1951: Average	\$42.44	36.9	\$1.15	\$44.49	37.7	\$1.18	\$39.89	36.6	\$1.09	\$44.93	38.4	\$1.17	\$47.12	39.6	\$1.19	\$58.98	40.8	\$1.47	
1952: Average	43.15	37.2	1.16	46.46	38.4	1.21	42.67	38.1	1.12	47.60	38.7	1.23	49.88	39.9	1.25	63.45	41.2	1.54	
September	45.43	38.5	1.18	47.58	39.0	1.22	43.90	39.2	1.12	50.93	40.1	1.27	50.53	40.1	1.26	67.23	41.5	1.62	
1952: November	45.90	38.9	1.18	49.23	39.7	1.24	44.97	39.8	1.13	49.39	39.2	1.26	49.52	39.3	1.26	65.92	41.2	1.60	
December	45.08	38.2	1.18	48.50	38.8	1.25	43.82	38.1	1.15	50.04	39.4	1.27	50.30	39.3	1.28	65.00	40.4	1.57	
1953: January	43.52	37.2	1.17	48.26	38.0	1.27	42.55	37.0	1.15	49.53	39.0	1.27	50.05	38.8	1.29	63.09	40.7	1.55	
February	44.13	37.4	1.18	47.63	37.8	1.26	42.90	37.3	1.15	48.01	37.8	1.27	51.22	38.8	1.32	63.96	40.1	1.56	
March	44.72	37.9	1.18	48.64	38.3	1.27	43.82	38.1	1.15	48.13	37.6	1.28	49.67	38.5	1.29	64.21	40.9	1.57	
April	44.01	37.3	1.18	47.75	37.6	1.27	42.80	36.9	1.16	47.88	37.7	1.27	50.70	39.0	1.30	65.19	41.0	1.59	
May	43.54	36.9	1.18	47.38	37.6	1.26	41.61	36.5	1.14	49.60	38.2	1.30	52.26	40.2	1.30	66.10	40.8	1.62	
June	44.27	37.2	1.19	48.13	37.6	1.28	41.15	36.1	1.14	49.13	37.5	1.31	53.32	40.7	1.31	67.48	41.4	1.63	
July	43.07	36.5	1.18	47.37	37.3	1.27	40.18	36.2	1.11	49.52	37.8	1.31	52.66	40.2	1.31	66.34	40.7	1.63	
August	44.76	37.3	1.20	47.75	37.9	1.26	43.17	38.2	1.13	49.65	37.9	1.31	50.96	38.9	1.31	67.24	41.0	1.64	
September	44.17	36.5	1.21	46.49	36.9	1.26	41.81	37.0	1.13	49.14	37.8	1.30	50.05	38.5	1.30	66.83	40.5	1.65	
Lumber and wood products (except furniture)—Continued																			
Year and month	Logging camps and contractors			Sawmills and planing mills <sup>1</sup>			Sawmills and planing mills, general									Millwork, plywood, and prefabricated structural wood products <sup>1</sup>			
							United States			South			West						
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	
1951: Average	\$71.53	39.3	\$1.82	\$50.13	40.5	\$1.46	\$59.54	40.5	\$1.47	\$41.36	42.2	\$0.98	\$76.04	38.6	\$1.97	\$64.02	42.4	\$1.51	
1952: Average	77.64	41.1	1.89	63.24	40.8	1.55	63.65	40.8	1.56	43.03	42.6	1.01	81.51	39.0	2.09	66.94	42.1	1.59	
September	82.19	41.3	1.99	66.91	41.3	1.62	67.73	41.3	1.64	43.96	43.1	1.02	85.54	39.6	2.16	68.95	42.3	1.63	
1952: November	81.20	40.6	2.00	65.76	41.1	1.60	66.42	41.0	1.62	43.76	42.9	1.02	84.50	39.3	2.15	67.88	41.9	1.62	
December	76.63	39.5	1.94	64.37	41.0	1.57	65.03	40.9	1.59	44.17	43.3	1.02	82.22	38.6	2.13	69.01	42.6	1.62	
1953: January	76.19	40.1	1.90	62.47	40.3	1.55	63.11	40.2	1.57	42.42	42.0	1.01	80.77	38.1	2.17	67.65	41.8	1.63	
February	77.74	40.7	1.91	63.34	40.6	1.56	63.99	40.5	1.58	42.84	42.0	1.02	82.36	38.8	2.12	69.21	42.2	1.64	
March	77.18	40.2	1.92	63.43	40.4	1.57	64.08	40.3	1.59	42.53	41.7	1.02	82.47	38.9	2.12	69.63	42.2	1.65	
April	79.78	39.3	2.03	64.71	40.7	1.59	65.37	40.6	1.61	43.76	42.9	1.02	82.64	38.8	2.13	69.63	42.2	1.65	
May	80.55	39.1	2.06	65.61	40.5	1.62	66.42	40.4	1.64	43.76	42.9	1.02	82.64	38.8	2.13	69.63	42.2	1.65	
June	84.46	40.8	2.07	67.16	41.2	1.63	67.98	41.2	1.65	43.76	42.9	1.02	82.64	38.8	2.13	69.63	42.2	1.65	
July	83.84	40.5	2.07	65.85	40.4	1.63	66.66	40.4	1.64	43.76	42.9	1.02	82.64	38.8	2.13	69.63	42.2	1.65	
August	77.50	39.6	2.01	68.72	41.4	1.66	69.55	41.4	1.68	43.99	42.3	1.04	85.48	40.4	2.19	68.31	41.4	1.65	
September	80.58	39.5	2.04	67.80	40.9	1.66	68.71	40.9	1.68	43.99	42.3	1.04	85.48	40.4	2.19	68.31	41.4	1.65	

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Manufacturing—Continued																		
Lumber and wood products (except furniture)—Continued																	Furniture and fixtures	
Year and month	Millwork			Plywood			Wooden containers <sup>1</sup>			Wooden boxes, other than cigar			Miscellaneous wood products			Total: Furniture and fixtures		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$61.89	42.1	\$1.47	\$68.10	43.1	\$1.58	\$48.85	41.4	\$1.18	\$49.37	42.2	\$1.17	\$51.24	42.0	\$1.22	\$57.27	41.2	\$1.30
1952: Average.....	65.83	42.2	1.56	70.62	42.8	1.65	50.39	41.3	1.22	50.82	42.0	1.21	53.63	41.9	1.28	60.50	41.5	1.46
September.....	68.91	42.8	1.61	71.74	42.7	1.68	51.34	41.4	1.24	52.08	42.0	1.24	55.02	42.0	1.31	62.31	42.1	1.48
1952: November.....	68.16	42.6	1.60	68.97	41.8	1.65	52.08	42.0	1.24	52.95	42.7	1.24	53.95	41.5	1.30	63.15	42.1	1.60
December.....	68.00	42.5	1.60	72.77	44.1	1.65	52.95	42.7	1.24	54.31	43.8	1.24	55.51	42.7	1.30	64.63	42.8	1.51
1953: January.....	67.30	41.8	1.61	70.95	43.0	1.65	51.05	41.5	1.23	51.85	42.5	1.22	54.21	41.7	1.30	62.51	41.4	1.51
February.....	68.36	42.2	1.62	73.65	44.1	1.67	51.41	41.8	1.23	51.97	42.6	1.22	54.60	42.0	1.30	62.67	41.5	1.51
March.....	68.36	42.2	1.62	73.68	43.6	1.69	51.96	41.9	1.24	53.20	42.9	1.24	54.89	41.9	1.31	63.65	41.6	1.53
April.....	68.79	42.2	1.63	73.25	43.6	1.68	52.25	41.8	1.25	53.38	42.7	1.25	55.15	42.1	1.31	63.19	41.3	1.53
May.....	68.88	42.0	1.64	73.18	43.3	1.69	51.58	41.6	1.24	52.58	42.4	1.24	55.44	42.0	1.32	62.58	40.9	1.53
June.....	69.86	42.6	1.64	72.16	42.7	1.69	51.88	41.5	1.25	52.08	42.0	1.24	55.99	42.1	1.33	62.73	41.0	1.53
July.....	68.72	41.9	1.64	69.89	41.6	1.68	51.28	40.7	1.26	51.25	41.0	1.25	55.06	41.4	1.33	60.89	39.8	1.53
August.....	68.39	41.7	1.64	70.98	42.0	1.69	50.53	40.1	1.26	49.60	40.0	1.24	55.59	41.8	1.33	62.42	40.8	1.53
September.....	66.83	40.5	1.65	68.21	40.6	1.68	49.14	39.0	1.26	48.50	38.8	1.25	55.49	41.1	1.35	62.37	40.5	1.54
Furniture and fixtures—Continued																		
Year and month	Household furniture <sup>1</sup>			Wood household furniture (except upholstered)			Wood household furniture, upholstered			Mattresses and bed-springs			Office, public-building, and professional furniture <sup>1</sup>			Wood office furniture		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$55.08	40.8	\$1.35	\$50.80	41.3	\$1.23	\$58.11	39.8	\$1.46	\$60.45	40.3	\$1.50	\$66.53	43.2	\$1.54	\$62.34	43.9	\$1.42
1952: Average.....	58.93	41.5	1.42	53.38	41.7	1.28	64.58	41.4	1.56	64.87	40.8	1.59	68.36	42.2	1.62	60.86	41.4	1.47
September.....	60.49	42.3	1.43	55.08	42.7	1.29	66.83	42.3	1.58	67.46	41.9	1.61	67.81	41.6	1.63	60.53	40.9	1.48
1952: November.....	61.34	42.3	1.45	55.51	42.7	1.30	68.91	42.8	1.61	64.88	40.3	1.61	71.06	42.3	1.68	58.02	39.2	1.48
December.....	63.06	42.9	1.47	56.63	42.9	1.32	71.56	43.9	1.63	68.22	41.6	1.64	73.08	43.5	1.68	60.35	40.5	1.49
1953: January.....	60.30	41.3	1.46	54.50	41.6	1.31	64.87	40.8	1.59	68.64	41.1	1.67	71.15	42.1	1.69	60.75	40.5	1.50
February.....	61.01	41.5	1.47	55.04	41.7	1.32	66.08	41.3	1.60	68.39	41.2	1.66	70.22	41.8	1.68	62.10	41.4	1.50
March.....	61.57	41.6	1.48	56.28	42.0	1.34	66.98	41.6	1.61	67.23	40.5	1.66	71.40	42.0	1.70	62.51	41.4	1.51
April.....	61.09	41.0	1.49	55.76	41.3	1.35	66.26	40.9	1.62	66.33	40.2	1.65	71.40	42.0	1.70	61.95	41.3	1.50
May.....	60.24	40.7	1.48	55.74	41.6	1.34	64.48	39.8	1.62	64.12	39.1	1.64	70.65	41.5	1.70	61.95	41.3	1.50
June.....	60.24	40.7	1.48	55.61	41.5	1.34	64.55	39.6	1.63	65.07	39.8	1.66	70.81	41.9	1.69	60.70	40.2	1.51
July.....	58.21	39.6	1.47	54.40	40.9	1.33	61.56	38.0	1.62	64.68	39.2	1.65	69.26	40.5	1.71	59.28	39.0	1.52
August.....	60.24	40.7	1.48	55.61	41.5	1.34	64.00	40.0	1.60	67.16	40.7	1.65	70.04	41.2	1.70	63.90	41.7	1.53
September.....	59.60	40.0	1.49	53.87	40.2	1.34	66.02	40.5	1.63	66.09	40.3	1.64	72.76	42.3	1.72	61.41	40.4	1.52
Furniture and fixtures—Continued																		
Year and month	Metal office furniture			Partitions, shelving, lockers, and fixtures			Screens, blinds, and miscellaneous furniture and fixtures			Total: Paper and allied products			Pulp, paper, and paperboard mills			Paperboard containers and boxes <sup>1</sup>		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$69.14	41.9	\$1.65	\$69.06	41.6	\$1.66	\$53.43	41.1	\$1.30	\$65.51	43.1	\$1.52	\$71.04	44.4	\$1.60	\$60.19	42.6	\$1.44
1952: Average.....	72.80	41.6	1.75	71.17	40.9	1.74	57.69	41.5	1.39	68.91	42.8	1.61	73.68	44.6	1.69	64.45	42.4	1.52
September.....	71.34	41.0	1.74	72.92	41.2	1.77	58.80	41.7	1.41	70.91	43.5	1.63	75.68	44.0	1.72	67.74	43.7	1.55
1952: November.....	77.65	42.2	1.84	72.62	40.8	1.78	60.06	42.0	1.43	72.27	43.8	1.65	77.26	44.4	1.74	69.11	44.3	1.56
December.....	80.59	43.8	1.84	72.91	41.9	1.74	61.92	43.0	1.44	72.60	44.0	1.65	77.43	44.5	1.74	68.95	44.2	1.56
1953: January.....	77.15	41.7	1.85	72.34	41.1	1.76	61.05	42.1	1.45	71.55	43.1	1.66	77.00	44.0	1.75	66.41	42.3	1.57
February.....	75.58	41.3	1.83	73.03	40.8	1.79	60.90	42.0	1.45	71.81	43.0	1.67	77.26	43.9	1.76	66.83	42.3	1.58
March.....	76.59	41.4	1.85	73.16	41.1	1.78	61.59	41.9	1.47	72.31	43.3	1.67	77.44	44.0	1.76	68.37	43.0	1.59
April.....	76.59	41.4	1.85	73.51	41.3	1.78	63.34	42.8	1.48	71.81	43.0	1.67	77.62	44.1	1.76	67.10	42.2	1.59
May.....	74.59	40.1	1.86	73.03	40.8	1.79	62.46	42.2	1.48	72.24	43.0	1.68	77.44	44.0	1.76	67.84	42.4	1.60
June.....	75.03	41.0	1.83	73.03	40.8	1.79	63.33	42.5	1.49	72.41	43.1	1.68	78.68	44.2	1.78	68.00	42.5	1.60
July.....	72.71	39.3	1.85	70.56	39.2	1.80	61.42	41.5	1.48	73.44	43.2	1.70	80.10	44.5	1.80	67.36	42.1	1.60
August.....	68.43	37.6	1.82	71.82	39.9	1.80	61.45	41.8	1.47	73.44	43.2	1.70	79.74	44.3	1.80	69.01	42.6	1.62
September.....	78.91	42.2	1.87	73.67	40.7	1.81	62.13	41.7	1.49	73.87	42.7	1.73	80.59	43.8	1.84	68.13	41.8	1.63
Paper and allied products—Continued																		
Year and month	Paperboard boxes			Fiber cans, tubes, and drums			Other paper and allied products			Total: Printing, publishing, and allied industries			Newspapers			Periodicals		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$59.92	41.9	\$1.43	\$64.84	41.3	\$1.57	\$59.77	41.8	\$1.43	\$77.21	38.8	\$1.99	\$83.45	36.6	\$2.28	\$79.20	39.8	\$1.99
1952: Average.....	64.18	42.5	1.51	65.44	40.9	1.60	62.40	41.6	1.59	81.48	38.8	2.10	87.12	36.3	2.40	83.60	40.0	2.09
September.....	68.05	43.9	1.55	66.98	41.6	1.61	64.14	42.2	1.52	83.71	39.3	2.13	89.06	36.5	2.44	80.01	41.4	2.15
1952: November.....	68.08	44.5	1.55	71.23	42.4	1.68	64.26	42.0	1.53	83.07	39.0	2.13	88.57	36.3	2.44	83.77	39.7	2.11
December.....	68.67	44.3	1.55	73.61	43.3	1.70	65.60	42.0	1.54	84.93	39.5	2.15	91.64	37.1	2.47	80.73	39.0	2.07
1953: January.....	65.90	42.3	1.56	70.47	42.2	1.67	65.26	41.9	1.56	83.21	38.7	2.15	86.38	35.4	2.44	83.13	39.4	2.11
February.....	66.41	42.3	1.57	71.32	42.2	1.69	64.90	41.6	1.56	83.76	38.6	2.17	87.82	35.7	2.46	86.80	40.0	2.17
March.....	67.94	43.0	1.58	72.50	42.4	1.71	65.68	42.1	1.56	85.24	39.1	2.18	89.28	36.0	2.48	87.64	40.2	2.18
April.....	66.68	42.2	1.58	71.57	42.1	1.70	65.31	41.6	1.57	85.19	38.9	2.19	91.36	36.4	2.51	83.92	39.4	2.13
May.....	67.58	42.5	1.59	69.80	41.3	1.69	65.31	41.6	1.57	85.80	39.2	2.20	92.85	36.7	2.53	85.71	39.3	2.13
June.....	67.73	42.6	1.59	69.53	41.4	1.68	64.58	41.4	1.56	85.95	38.8	2.20	92.35	36.5	2.53	85.66	39.0	2.12
July.....	66.94	42.1	1.59	71.72	41.7	1.72	65.31	41.6	1.57	84.95	38.6	2.20	90.36	36.0	2.51	85.03	39.3	2.13
August.....	68.59	42.6	1.61	73.62	42.8	1.72	64.74	41.5	1.56	85.97	38.9	2.21	90.36	36.0	2.51	91.24	41.1	2.22
September.....	67.72	41.8	1.62	74.94	42.1	1.78	65.00	41.4	1.57	87.30	38.8	2.25	93.03	36.2	2.57	96.41	42.1	2.29



TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																	
	Printing, publishing, and allied industries—Continued																	
	Books			Commercial printing			Lithographing			Greeting cards			Bookbinding and related industries			Miscellaneous publishing and printing services		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$67.32	39.6	\$1.70	\$75.20	40.0	\$1.88	\$75.79	40.1	\$1.89	\$43.47	37.8	\$1.15	\$62.24	39.9	\$1.56	\$91.42	38.9	\$2.35
1952: Average	71.24	39.8	1.79	80.00	40.2	1.99	81.61	40.2	2.03	45.84	38.2	1.20	62.33	39.2	1.59	98.25	39.3	2.50
1952: September	75.17	41.3	1.82	81.41	40.5	2.01	86.74	41.5	2.09	45.72	38.1	1.20	63.20	39.5	1.60	99.82	39.3	2.54
1952: November	72.18	40.1	1.80	81.20	40.2	2.02	84.87	41.2	2.06	47.80	39.5	1.21	65.69	40.3	1.63	100.22	39.3	2.55
1952: December	73.85	40.8	1.81	83.64	40.8	2.05	83.64	40.8	2.05	47.09	38.6	1.22	66.26	40.4	1.64	102.51	40.2	2.55
1953: January	73.05	39.7	1.84	82.42	40.4	2.04	82.37	39.6	2.06	47.50	38.0	1.25	65.93	40.2	1.64	102.03	39.7	2.57
1953: February	71.92	39.3	1.83	82.19	39.9	2.06	84.44	40.4	2.09	46.62	37.0	1.26	65.11	39.7	1.64	103.36	39.6	2.61
1953: March	74.77	40.2	1.86	83.84	40.5	2.07	84.24	40.5	2.08	48.51	38.2	1.27	65.76	40.1	1.64	106.37	40.6	2.62
1953: April	74.03	39.8	1.86	84.02	40.2	2.09	85.06	40.7	2.09	48.63	37.7	1.29	65.74	39.6	1.66	102.56	39.6	2.59
1953: May	74.99	40.1	1.87	83.81	40.1	2.09	85.07	40.9	2.08	48.59	37.6	1.29	66.63	39.9	1.67	101.39	39.3	2.58
1953: June	73.45	39.7	1.85	84.00	40.0	2.10	85.46	40.5	2.11	45.75	37.1	1.26	66.70	39.7	1.68	102.83	39.4	2.61
1953: July	72.35	38.9	1.86	83.60	40.0	2.09	87.34	41.2	2.12	45.23	35.9	1.26	65.86	39.2	1.68	103.23	39.4	2.62
1953: August	74.37	40.2	1.85	84.21	40.1	2.10	87.56	41.3	2.12	47.75	37.6	1.27	67.09	39.7	1.69	105.07	39.5	2.66
1953: September	72.89	39.4	1.85	85.20	40.0	2.13	87.53	40.9	2.14	47.71	36.7	1.30	66.47	39.1	1.70	107.05	39.5	2.71
	Chemicals and allied products																	
	Total: Chemicals and allied products			Industrial inorganic chemicals <sup>1</sup>			Alkalies and chlorine			Industrial organic chemicals <sup>2</sup>			Plastics, except synthetic rubber			Synthetic rubber		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$67.81	41.6	\$1.63	\$74.88	41.6	\$1.80	\$74.93	41.4	\$1.81	\$71.98	40.9	\$1.76	\$72.66	42.0	\$1.73	\$78.31	41.0	\$1.91
1952: Average	70.45	41.2	1.71	77.08	41.0	1.88	76.52	40.7	1.88	75.11	40.6	1.83	76.31	41.7	1.83	80.20	40.3	1.90
1952: September	71.04	41.4	1.72	77.71	40.9	1.90	76.38	40.2	1.90	76.92	40.7	1.89	77.89	42.1	1.85	82.21	40.3	2.04
1952: November	72.56	41.7	1.74	79.90	41.4	1.93	79.04	41.6	1.90	78.06	41.3	1.89	82.40	43.6	1.89	83.03	40.5	2.06
1952: December	72.96	41.7	1.75	79.87	41.6	1.92	79.48	41.6	1.91	78.28	41.2	1.90	81.22	43.2	1.88	85.08	41.1	2.07
1953: January	72.51	41.2	1.76	79.54	41.0	1.94	79.27	41.5	1.91	77.33	40.7	1.90	80.94	42.6	1.90	84.04	40.6	2.07
1953: February	73.10	41.3	1.77	80.36	41.0	1.96	79.71	41.3	1.93	77.38	40.3	1.92	81.13	42.7	1.90	85.68	40.8	2.10
1953: March	73.87	41.5	1.78	80.56	41.1	1.96	79.90	41.4	1.93	79.15	40.8	1.94	81.56	42.7	1.91	85.86	40.5	2.12
1953: April	74.29	41.5	1.79	81.56	41.4	1.97	81.32	41.7	1.95	79.76	40.9	1.95	81.94	42.9	1.91	86.51	41.0	2.11
1953: May	75.12	41.5	1.81	81.77	41.3	1.98	80.75	41.2	1.96	79.73	41.1	1.94	83.42	43.0	1.94	87.34	41.2	2.12
1953: June	75.35	41.4	1.82	84.00	42.0	2.00	80.60	41.8	2.00	80.36	41.0	1.96	83.85	43.0	1.95	86.71	40.9	2.12
1953: July	76.78	41.5	1.85	83.21	41.4	2.01	84.64	41.9	2.02	81.59	41.0	1.99	82.68	42.4	1.95	87.91	40.7	2.16
1953: August	76.41	41.3	1.85	83.23	40.8	2.04	82.62	40.7	2.03	80.59	40.7	1.98	83.73	42.5	1.97	88.51	40.6	2.18
1953: September	77.98	41.7	1.87	86.11	41.2	2.09	84.46	40.8	2.07	83.85	40.9	2.05	85.00	42.5	2.00	91.30	40.4	2.26
	Explosives, drugs, and medicines, soap, cleaning and polishing preparations, soap and glycerin, paints, pigments, and fillers <sup>4</sup>																	
	Synthetic fibers			Explosives			Drugs and medicines			Soap, cleaning and polishing preparations <sup>5</sup>			Soap and glycerin			Paints, pigments, and fillers <sup>6</sup>		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$62.65	39.4	\$1.59	\$67.77	40.1	\$1.69	\$62.47	41.1	\$1.52	\$76.89	41.7	\$1.70	\$77.19	41.5	\$1.86	\$68.55	41.8	\$1.64
1952: Average	66.47	39.5	1.67	70.00	39.8	1.77	63.44	39.9	1.59	73.93	41.3	1.79	81.14	41.4	1.96	71.38	41.5	1.72
1952: September	67.94	40.2	1.69	71.89	39.5	1.82	63.12	39.7	1.59	77.23	42.2	1.83	80.03	42.8	2.01	71.86	41.3	1.74
1952: November	67.43	39.9	1.69	72.58	40.1	1.81	64.06	39.3	1.63	76.68	41.9	1.83	84.00	42.0	2.00	73.39	41.7	1.76
1952: December	67.43	39.9	1.69	73.12	40.4	1.81	64.62	39.4	1.64	78.07	42.2	1.85	85.06	41.9	2.03	74.27	42.2	1.76
1953: January	67.32	39.6	1.70	71.37	39.0	1.83	64.12	39.1	1.64	77.93	41.0	1.86	85.27	41.8	2.04	73.57	41.8	1.76
1953: February	68.69	39.0	1.71	71.00	38.8	1.83	68.39	41.2	1.66	78.35	41.9	1.87	85.28	41.6	2.05	74.64	41.7	1.79
1953: March	68.85	39.7	1.73	73.47	39.5	1.86	68.06	41.0	1.66	78.81	41.7	1.89	86.11	41.4	2.08	75.42	41.9	1.80
1953: April	68.68	39.8	1.73	74.07	39.4	1.88	68.25	41.1	1.66	77.68	41.1	1.89	85.28	41.0	2.08	76.02	42.0	1.81
1953: May	69.37	40.1	1.73	73.87	39.5	1.87	68.06	41.0	1.66	76.89	40.9	1.88	84.04	40.6	2.07	78.32	42.8	1.83
1953: June	69.77	40.1	1.74	73.53	38.7	1.90	69.90	40.3	1.66	77.08	41.0	1.88	83.84	40.7	2.06	76.20	42.1	1.81
1953: July	71.38	40.1	1.78	76.02	39.8	1.91	68.28	40.4	1.69	76.70	40.8	1.88	83.43	40.5	2.06	76.31	41.7	1.83
1953: August	70.62	39.9	1.77	75.79	40.1	1.89	73.10	43.0	1.70	78.66	41.4	1.90	85.48	40.9	2.09	75.58	41.3	1.83
1953: September	74.40	40.0	1.86	77.74	40.7	1.91	73.44	43.2	1.70	79.68	41.5	1.92	87.78	41.6	2.11	76.41	41.3	1.85
	Paints, varnishes, lacquers, and enamels, gum and wood chemicals, fertilizers, vegetable and animal oils and fats <sup>7</sup> , vegetable oils, animal oils and fats <sup>8</sup>																	
	Paints, varnishes, lacquers, and enamels			Gum and wood chemicals			Fertilizers			Vegetable and animal oils and fats <sup>7</sup>			Vegetable oils			Animal oils and fats <sup>8</sup>		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$67.72	41.8	\$1.62	\$56.55	42.2	\$1.34	\$52.33	42.2	\$1.24	\$59.34	46.0	\$1.29	\$55.22	46.4	\$1.19	\$68.40	45.0	\$1.52
1952: Average	70.47	41.7	1.69	59.36	42.1	1.41	56.23	42.6	1.32	61.81	45.9	1.34	57.07	46.4	1.23	70.34	44.8	1.57
1952: September	70.97	41.5	1.71	59.21	41.7	1.42	57.51	42.6	1.35	61.10	47.0	1.30	57.12	48.0	1.19	69.73	44.7	1.56
1952: November	72.49	41.9	1.73	59.92	41.9	1.43	56.15	41.9	1.34	62.27	47.9	1.30	58.19	48.9	1.19	73.80	45.0	1.64
1952: December	73.18	42.3	1.73	59.86	41.0	1.46	57.53	42.3	1.36	61.57	47.0	1.31	56.88	47.4	1.20	73.76	46.1	1.60
1953: January	72.91	41.9	1.74	62.25	41.5	1.50	57.12	42.0	1.36	61.18	46.0	1.33	56.73	46.5	1.22	71.54	44.9	1.60
1953: February	73.57	41.8	1.75	61.09	41.0	1.49	57.24	42.4	1.35	61.74	45.4	1.36	56.75	45.4	1.25	73.39	45.3	1.62
1953: March	74.76	42.0	1.78	61.80	41.2	1.50	59.00	43.7	1.35	62.83	45.2	1.39	58.11	45.4	1.28	73.02	44.8	1.63
1953: April	75.84	42.2	1.79	61.65	41.1	1.50	60.69	43.3	1.37	63.35	44.3	1.43	58.21	44.1	1.32	73.02	44.8	1.63
1953: May	72.65	42.9	1.81	64.22	41.7	1.54	60.63	42.7	1.42	65.66	44.2	1.49	59.62	43.2	1.38	75.41	45.7	1.65
1953: June	74.76	42.0	1.78	64.02	41.3	1.55	59.08	41.9	1.41	67.49	44.4	1.52	62.35	43.3	1.44	75.29	45.9	1.64
1953: July	74.70	41.5	1.80	66.50	42.9	1.55	59.92	42.2	1.42	67.18	44.2	1.52	61.92	42.7	1.45	73.92	46.2	1.60
1953: August	74.16	41.2	1.80	64.57	42.2	1.53	58.65	41.3	1.42	65.10	43.4	1.50	60.07	42.3	1.42	73.06	45.1	1.62
1953: September	73.98	41.1	1.80	68.79	42.2	1.63	61.03	41.8	1.46	65.10	46.5	1.40	59.56	46.9	1.27	75.86	45.7	1.62

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																	
	Chemicals and allied products—Continued									Products of petroleum and coal								
	Miscellaneous chemicals <sup>1</sup>			Essential oils, perfumes, cosmetics			Compressed and liquefied gases			Total: Products of petroleum and coal			Petroleum refining			Coke and other petroleum and coal products		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$63.50	41.5	\$1.53	\$51.74	38.9	\$1.33	\$72.42	42.6	\$1.70	\$80.98	40.9	\$1.98	\$84.66	40.7	\$2.08	\$80.39	41.8	\$1.66
1952: Average.....	65.35	41.1	1.59	54.49	39.2	1.39	73.92	42.0	1.76	84.85	40.6	2.09	88.44	40.2	2.20	73.74	41.9	1.76
September.....	65.12	40.7	1.60	53.41	38.7	1.38	75.12	42.2	1.78	88.99	41.2	2.16	91.94	40.5	2.27	79.42	43.4	1.83
1952: November.....	67.48	41.4	1.63	56.37	39.7	1.42	76.14	42.3	1.80	87.94	40.9	2.15	91.98	40.7	2.26	78.89	41.7	1.82
December.....	68.06	41.5	1.64	56.09	39.5	1.42	77.11	42.6	1.81	88.10	40.6	2.17	92.34	40.5	2.28	74.62	41.0	1.82
1953: January.....	68.39	41.2	1.66	56.12	38.7	1.45	76.62	42.1	1.82	88.10	40.6	2.17	91.94	40.5	2.27	75.44	41.0	1.84
February.....	68.88	41.0	1.68	55.54	38.3	1.45	80.65	42.9	1.88	87.45	40.3	2.17	91.03	40.1	2.27	75.62	41.1	1.84
March.....	69.38	41.3	1.69	57.18	38.9	1.47	79.95	42.3	1.89	87.89	40.5	2.17	91.71	40.4	2.27	75.30	40.7	1.85
April.....	68.95	40.8	1.69	56.83	38.4	1.48	79.38	42.0	1.89	88.29	40.5	2.18	91.88	40.3	2.28	76.45	41.1	1.86
May.....	68.95	40.8	1.69	56.92	38.2	1.49	79.38	42.1	1.87	89.60	41.1	2.18	92.67	40.6	2.28	78.74	42.5	1.87
June.....	69.70	41.0	1.70	57.37	38.5	1.49	79.38	42.0	1.89	88.94	40.8	2.18	91.94	40.5	2.27	78.58	41.8	1.88
July.....	69.60	40.7	1.71	56.17	37.7	1.49	81.18	42.5	1.91	92.32	41.4	2.23	96.00	41.2	2.33	80.60	42.2	1.91
August.....	70.00	40.7	1.72	57.00	38.0	1.50	81.94	42.9	1.91	91.43	41.0	2.23	94.13	40.4	2.33	83.61	43.1	1.94
September.....	70.76	40.9	1.73	58.61	39.6	1.48	83.14	43.3	1.92	94.35	41.2	2.29	97.27	40.7	2.39	84.08	42.9	1.96
Rubber products																		
Total: Rubber products			Tires and inner tubes			Rubber footwear			Other rubber products			Total: Leather and leather products			Leather: tanned, cured, and finished			
1951: Average.....	\$68.61	40.6	\$1.69	\$78.01	39.6	\$1.97	\$57.81	41.0	\$1.41	\$63.19	41.3	\$1.53	\$46.86	35.9	\$1.27	\$60.61	39.1	\$1.55
1952: Average.....	74.48	40.7	1.83	85.65	40.4	2.12	62.22	40.4	1.54	66.58	41.1	1.62	50.60	38.4	1.32	64.48	39.8	1.62
September.....	75.21	41.4	1.83	86.28	40.7	2.12	62.99	40.9	1.54	67.65	41.5	1.63	51.21	38.5	1.33	65.93	40.2	1.64
1952: November.....	76.86	41.1	1.87	87.23	40.2	2.17	68.30	41.9	1.63	69.81	41.8	1.67	50.76	37.6	1.35	67.80	40.6	1.67
December.....	79.19	41.9	1.89	90.42	41.1	2.20	66.49	41.3	1.61	72.33	42.8	1.69	53.46	39.6	1.35	69.22	41.2	1.68
1953: January.....	78.09	41.1	1.90	89.24	40.2	2.22	64.96	40.1	1.62	71.74	42.2	1.70	53.06	39.3	1.35	67.70	40.3	1.68
February.....	79.30	41.3	1.92	91.80	40.8	2.25	67.57	41.2	1.64	71.96	41.8	1.70	53.19	39.4	1.35	67.70	40.3	1.68
March.....	80.29	41.6	1.93	93.83	41.7	2.25	67.57	41.2	1.64	71.72	41.7	1.72	53.84	39.3	1.37	67.03	39.9	1.68
April.....	79.32	41.1	1.93	91.58	40.7	2.25	67.82	41.1	1.65	71.21	41.4	1.72	51.79	37.8	1.37	67.60	40.0	1.69
May.....	78.18	40.3	1.94	91.30	40.4	2.26	60.31	37.0	1.63	70.93	41.0	1.73	51.61	37.4	1.38	69.19	40.7	1.70
June.....	78.55	40.7	1.93	89.20	40.0	2.23	68.06	41.0	1.66	71.28	41.2	1.73	52.33	38.2	1.37	69.26	40.5	1.71
July.....	78.98	40.5	1.95	90.45	40.2	2.25	68.64	41.1	1.67	70.64	40.6	1.74	51.82	38.1	1.36	68.46	39.8	1.72
August.....	75.84	39.5	1.92	86.69	38.7	2.24	65.69	40.3	1.63	68.80	40.0	1.72	51.92	37.9	1.37	69.20	40.0	1.73
September.....	73.15	38.5	1.90	80.44	38.4	2.21	63.68	39.8	1.60	69.37	40.1	1.73	49.48	35.6	1.39	68.60	39.2	1.75
Leather and leather products—Continued																		
Industrial leather belting and packing			Boot and shoe cut stock and findings			Footwear (except rubber)			Luggage			Handbags and small leather goods			Gloves and miscellaneous leather goods			
1951: Average.....	\$64.80	43.0	\$1.50	\$46.25	37.6	\$1.23	\$44.28	36.0	\$1.23	\$53.72	39.8	\$1.36	\$43.50	37.9	\$1.15	\$42.67	37.1	\$1.15
1952: Average.....	64.12	41.1	1.56	49.40	38.9	1.27	48.26	38.0	1.27	54.84	40.6	1.40	45.08	38.2	1.18	44.15	37.1	1.19
September.....	67.26	42.3	1.59	48.90	38.2	1.28	48.77	38.1	1.28	57.39	40.7	1.41	46.34	38.3	1.21	44.74	37.6	1.19
1952: November.....	64.42	41.3	1.56	47.97	35.9	1.30	47.19	36.3	1.30	62.75	42.4	1.48	48.12	40.1	1.20	45.60	38.0	1.20
December.....	67.31	42.6	1.58	51.73	40.1	1.29	51.09	39.3	1.30	61.17	41.9	1.46	46.05	38.7	1.19	45.01	37.2	1.21
1953: January.....	69.23	43.0	1.61	51.35	39.5	1.30	51.48	39.3	1.31	57.34	40.1	1.43	45.36	37.8	1.20	44.92	36.3	1.21
February.....	70.09	43.0	1.63	51.22	39.4	1.30	51.61	39.4	1.31	56.16	39.0	1.44	45.09	39.1	1.23	44.28	36.9	1.20
March.....	71.94	43.6	1.65	51.35	39.2	1.31	52.00	39.1	1.33	59.28	40.6	1.46	48.31	39.6	1.22	44.03	37.0	1.19
April.....	68.22	41.6	1.64	50.29	38.1	1.32	49.10	37.2	1.32	58.75	40.8	1.44	45.87	37.6	1.22	44.77	37.0	1.21
May.....	67.39	41.6	1.62	49.37	37.4	1.32	48.81	36.7	1.33	57.00	40.0	1.44	44.04	36.4	1.21	43.92	36.3	1.21
June.....	64.88	40.3	1.61	51.74	38.9	1.33	49.90	37.8	1.32	55.57	37.8	1.47	46.36	38.0	1.22	44.17	36.5	1.21
July.....	63.68	39.8	1.60	50.95	38.6	1.32	49.65	37.9	1.31	56.26	38.8	1.45	45.99	37.7	1.22	42.83	35.4	1.21
August.....	69.96	42.4	1.65	50.94	38.3	1.33	49.24	37.3	1.32	56.30	39.1	1.44	47.88	39.0	1.22	44.53	36.5	1.22
September.....	68.06	41.5	1.64	47.35	35.6	1.33	45.80	34.5	1.33	59.70	39.8	1.50	44.53	36.2	1.23	42.94	35.2	1.22
Stone, clay, and glass products																		
Total: Stone, clay, and glass products			Flat glass			Glass and glassware, pressed or blown <sup>1</sup>			Glass containers			Pressed and blown glass			Glass products made of purchased glass			
1951: Average.....	\$63.91	41.5	\$1.54	\$83.85	40.9	\$2.05	\$89.20	40.0	\$1.48	\$90.55	40.1	\$1.51	\$57.45	39.9	\$1.44	\$53.19	40.8	\$1.31
1952: Average.....	66.17	41.1	1.61	86.05	41.4	2.13	62.09	39.8	1.56	63.12	39.7	1.59	60.89	39.8	1.53	56.30	40.8	1.38
September.....	67.48	41.4	1.63	86.55	39.7	2.18	63.12	39.7	1.59	64.80	40.6	1.62	61.07	39.4	1.55	57.13	41.1	1.39
1952: November.....	68.97	41.3	1.67	97.81	41.8	2.34	61.64	39.9	1.62	65.61	40.5	1.62	63.67	39.3	1.62	60.91	42.3	1.44
December.....	69.31	41.5	1.67	95.71	40.9	2.34	63.53	40.7	1.61	67.08	40.9	1.64	63.59	40.5	1.67	63.22	43.9	1.44
1953: January.....	68.21	40.6	1.68	92.53	41.3	2.41	64.15	39.6	1.62	65.34	39.6	1.65	62.41	39.5	1.58	60.06	42.0	1.43
February.....	69.29	41.0	1.69	98.18	41.6	2.36	66.23	39.9	1.66	66.63	39.9	1.67	65.27	39.8	1.64	60.20	42.1	1.43
March.....	70.21	41.3	1.70	98.47	41.9	2.35	67.80	40.6	1.67	69.05	41.1	1.68	66.40	40.0	1.66	61.17	41.9	1.46
April.....	70.28	41.1	1.71	97.63	41.9	2.33	67.89	39.7	1.71	70.58	40.1	1.76	64.68	39.2	1.65	59.57	40.8	1.46
May.....	70.86	41.2	1.72	101.52	42.3	2.40	68.46	39.8	1.72	71.46	40.6	1.76	64.57	38.9	1.66	59.18	41.1	1.44
June.....	70.99	41.1	1.72	95.05	40.7	2.35	68.40	40.0	1.71	71.23	40.7	1.75	64.91	39.1	1.66	58.75	40.8	1.44
July.....	70.58	40.8	1.73	96.46	40.7	2.37	67.08	39.0	1.72	67.73	39.7	1.75	65.80	39.4	1.67	57.28	39.5	1.45
August.....	71.51	41.1	1.74	94.87	40.2	2.36	68.63	39.9	1.72	71.51	40.4	1.77	64.85	39.3	1.65	59.13	40.5	1.46
September.....	71.10	40.4	1.76	91.96	38.8	2.37	69.87	39.7	1.76	69.81	39.0	1.79	69.66	40.5	1.72	58.80	40.0	1.47

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																	
	Stone, clay, and glass products—Continued																	
	Cement, hydraulic			Structural clay products <sup>1</sup>			Brick and hollow tile			Floor and wall tile			Sewer pipe			Clay refractories		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average.....	\$55.21	41.8	\$1.56	\$50.03	41.4	\$1.45	\$57.92	42.9	\$1.35	\$50.25	39.9	\$1.51	\$58.15	40.1	\$1.45	\$63.76	40.1	\$1.59
1952: Average.....	67.72	41.8	1.62	60.69	40.6	1.48	58.51	42.4	1.38	62.64	39.9	1.57	59.98	39.2	1.53	61.60	38.5	1.60
September.....	69.22	41.7	1.66	61.55	40.9	1.50	60.40	42.9	1.41	63.76	40.1	1.59	61.38	39.6	1.55	59.72	37.8	1.58
1952: November.....	71.23	41.9	1.70	61.51	40.2	1.53	59.36	42.1	1.41	63.68	39.8	1.60	62.09	39.3	1.58	63.41	37.3	1.70
December.....	71.23	41.9	1.70	61.81	40.4	1.53	58.80	42.0	1.40	64.87	39.8	1.63	63.04	39.9	1.58	64.64	37.8	1.71
1953: January.....	70.97	41.5	1.71	60.28	39.4	1.53	56.30	40.8	1.38	65.20	40.0	1.63	59.59	38.2	1.56	63.41	37.3	1.70
February.....	70.55	41.5	1.70	61.05	39.9	1.53	57.13	41.4	1.38	65.44	39.9	1.64	60.68	38.9	1.56	64.43	37.9	1.70
March.....	71.49	42.0	1.70	62.37	40.5	1.54	56.59	42.2	1.41	65.35	40.2	1.65	62.81	39.5	1.59	65.32	38.2	1.71
April.....	71.23	41.9	1.70	63.09	40.7	1.55	60.92	42.6	1.43	66.40	40.0	1.66	64.08	40.3	1.59	64.26	37.8	1.70
May.....	72.38	41.6	1.74	63.24	40.8	1.55	60.35	42.2	1.43	66.80	40.0	1.67	64.88	40.3	1.61	65.28	38.4	1.70
June.....	73.99	41.8	1.77	64.74	41.5	1.56	62.64	43.2	1.45	67.97	40.7	1.67	66.01	41.0	1.61	66.13	38.9	1.70
July.....	76.26	41.9	1.82	65.41	41.4	1.58	62.35	43.0	1.43	68.64	41.1	1.67	66.91	41.3	1.62	68.20	38.1	1.79
August.....	75.00	41.9	1.79	65.57	41.5	1.58	62.93	43.1	1.46	68.97	41.3	1.67	66.10	40.8	1.62	69.24	38.9	1.78
September.....	77.56	41.7	1.86	64.40	40.5	1.59	61.89	42.1	1.47	69.12	40.9	1.69	65.11	39.7	1.64	66.93	37.6	1.78
Year and month	Stone, clay, and glass products—Con.																	
	Pottery and related products			Concrete, gypsum, and plaster products <sup>1</sup>			Concrete products			Cut-stone and stone products			Miscellaneous non-metallic mineral products <sup>1</sup>			Abrasive products		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average.....	\$57.91	38.1	\$1.52	\$68.25	45.2	\$1.51	\$67.60	45.0	\$1.50	\$58.93	41.5	\$1.42	\$68.46	42.0	\$1.63	\$72.28	41.3	\$1.75
1952: Average.....	61.15	38.7	1.58	70.65	45.0	1.57	70.22	45.3	1.55	60.01	41.1	1.46	69.83	40.6	1.72	73.45	39.7	1.85
September.....	62.08	38.8	1.60	72.65	45.7	1.59	72.22	46.0	1.57	61.17	41.9	1.49	70.76	40.9	1.73	71.98	38.7	1.86
1952: November.....	63.82	39.7	1.60	71.32	44.3	1.61	70.31	44.5	1.58	62.88	41.1	1.53	72.39	40.9	1.77	70.07	41.4	1.91
December.....	63.11	39.2	1.61	72.45	45.0	1.61	71.87	45.2	1.59	62.02	40.8	1.52	72.92	41.2	1.77	71.67	42.1	1.94
1953: January.....	62.65	38.2	1.64	69.12	43.2	1.60	67.82	43.2	1.57	60.85	40.3	1.51	73.15	41.1	1.78	81.06	42.0	1.83
February.....	63.96	39.0	1.64	70.79	43.7	1.62	69.64	43.8	1.59	62.17	40.9	1.52	73.62	40.9	1.80	80.54	41.3	1.95
March.....	64.75	39.0	1.65	70.63	43.6	1.62	69.64	43.8	1.59	62.27	40.7	1.53	74.29	41.5	1.79	82.88	42.5	1.95
April.....	62.87	38.1	1.65	72.32	44.1	1.64	71.16	44.2	1.61	62.88	41.1	1.53	74.57	41.2	1.81	81.51	41.8	1.95
May.....	61.92	37.3	1.66	71.88	44.1	1.63	71.16	44.2	1.61	64.90	41.6	1.56	75.30	41.6	1.81	82.52	42.1	1.96
June.....	61.09	36.8	1.66	73.54	44.3	1.66	72.82	44.4	1.64	64.17	41.4	1.55	73.67	40.7	1.81	79.59	40.4	1.97
July.....	60.76	36.6	1.66	73.37	44.2	1.66	71.72	44.0	1.63	64.02	41.3	1.55	73.35	40.3	1.82	78.01	39.6	1.97
August.....	59.57	36.1	1.65	76.33	44.9	1.70	75.77	45.1	1.68	64.79	41.8	1.55	74.34	40.4	1.84	78.61	39.5	1.99
September.....	59.07	35.8	1.65	74.56	45.6	1.71	72.31	43.3	1.67	63.96	41.0	1.56	74.40	40.0	1.86	73.68	37.4	1.97
Year and month	Primary metal industries																	
	Asbestos products			Nonclay refractories			Total: Primary metal industries			Blast furnaces, steel-works, and rolling mills <sup>1</sup>			Blast furnaces, steel-works, and rolling mills except electro-metallurgical products			Electrometallurgical products		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average.....	\$59.44	43.4	\$1.60	\$56.76	38.6	\$1.73	\$75.12	41.5	\$1.81	\$77.30	40.9	\$1.89	\$77.30	40.9	\$1.89	\$74.46	41.6	\$1.79
1952: Average.....	71.57	42.6	1.68	65.70	36.3	1.81	77.33	40.7	1.90	79.60	40.0	1.99	79.60	40.0	1.99	76.04	41.1	1.85
September.....	74.13	43.1	1.72	66.96	37.2	1.80	81.79	41.1	1.99	87.12	40.9	2.13	87.12	40.9	2.13	76.48	40.9	1.87
1952: November.....	74.99	43.6	1.72	66.05	34.4	1.92	82.80	41.4	2.00	86.31	41.1	2.10	86.31	41.1	2.10	79.07	41.4	1.91
December.....	74.21	43.4	1.71	69.91	36.6	1.91	84.02	41.8	2.01	86.31	41.0	2.11	86.31	41.0	2.11	79.87	41.6	1.92
1953: January.....	72.58	42.2	1.72	71.96	36.9	1.95	84.65	41.7	2.03	89.01	41.4	2.15	89.01	41.4	2.15	80.29	41.6	1.93
February.....	72.91	41.9	1.74	74.65	37.7	1.98	83.21	41.4	2.01	85.80	40.9	2.10	85.80	40.9	2.10	80.51	41.5	1.94
March.....	75.08	42.9	1.75	71.20	36.7	1.94	84.25	41.7	2.02	85.89	40.9	2.10	85.89	40.9	2.10	79.30	41.3	1.92
April.....	76.72	43.1	1.78	72.36	37.3	1.94	83.22	41.2	2.02	84.63	40.3	2.10	84.63	40.3	2.10	79.10	41.2	1.92
May.....	78.04	43.6	1.79	71.00	36.6	1.94	83.44	41.3	2.03	86.72	41.1	2.11	86.72	41.1	2.11	79.95	41.0	1.95
June.....	77.43	43.5	1.78	68.35	35.6	1.92	81.87	41.4	2.05	87.53	40.9	2.14	87.53	40.9	2.14	79.95	41.0	1.95
July.....	77.51	43.3	1.79	70.72	35.9	1.97	85.07	40.9	2.08	89.76	40.8	2.20	89.76	40.8	2.20	83.82	41.7	2.01
August.....	75.65	42.5	1.78	71.40	35.7	2.00	85.28	41.0	2.08	90.64	41.2	2.29	90.64	41.2	2.29	81.99	41.2	1.99
September.....	76.32	42.4	1.80	72.36	36.0	2.01	85.65	40.4	2.12	91.35	40.6	2.25	91.35	40.6	2.25	86.29	42.3	2.04
Year and month	Primary metal industries—Continued																	
	Iron and steel foundries <sup>1</sup>			Gray-iron foundries			Malleable-iron foundries			Steel foundries			Primary smelting and refining of nonferrous metals <sup>1</sup>			Primary smelting and refining of copper, lead, and zinc		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average.....	\$71.66	42.4	\$1.69	\$70.05	42.2	\$1.66	\$72.07	41.9	\$1.72	\$75.86	43.1	\$1.76	\$69.97	41.4	\$1.66	\$69.38	41.3	\$1.68
1952: Average.....	72.22	40.8	1.77	69.89	40.4	1.73	70.56	39.2	1.80	77.70	42.0	1.85	75.48	41.7	1.81	75.06	41.7	1.80
September.....	73.80	41.0	1.80	72.69	41.3	1.76	73.82	39.9	1.85	75.67	40.9	1.85	77.56	41.7	1.86	76.49	41.8	1.83
1952: November.....	74.30	40.6	1.83	71.91	40.4	1.78	75.17	40.2	1.87	79.10	41.2	1.92	77.79	41.6	1.87	76.86	42.0	1.83
December.....	76.96	41.6	1.85	73.75	41.2	1.79	76.63	41.2	1.86	83.10	42.4	1.95	78.58	41.8	1.88	77.99	42.1	1.85
1953: January.....	74.89	40.7	1.84	72.82	40.4	1.79	78.79	40.7	1.86	79.52	41.2	1.93	79.61	41.9	1.96	78.54	42.0	1.87
February.....	76.62	41.2	1.86	73.49	40.6	1.81	80.79	42.3	1.91	81.26	41.9	1.94	79.65	41.7	1.91	79.15	42.1	1.88
March.....	78.96	42.0	1.88	76.49	41.8	1.83	81.60	42.5	1.92	82.29	42.2	1.95	79.65	41.7	1.91	79.15	42.1	1.88
April.....	78.40	41.7	1.88	77.10	41.9	1.84	79.68	41.5	1.92	80.95	41.3	1.96	79.46	41.6	1.91	78.35	41.9	1.87
May.....	77.27	41.1	1.88	75.81	41.2	1.84	79.23	41.7	1.90	79.58	40.6	1.96	79.46	41.6	1.91	78.35	41.9	1.87
June.....	78.44	41.5	1.89	76.78	41.5	1.85	79.52	41.2	1.93	81.95	41.6	1.97	80.10	41.5	1.93	79.61	41.9	1.90
July.....	77.35	40.7	1.90	75.89	40.8	1.86	78.09	41.1	1.90	79.19	40.2	1.97	80.34	41.2	1.95	79.84	41.8	1.91
August.....	76.85	40.5	1.89	74.70	40.6	1.84	75.70	40.1	1.89	79.09	40.4	1.98	80.38	40.8	1.97	79.49	41.4	1.92
September.....	75.05	39.5	1.90	73.94	39.7	1.86	74.09	39.2	1.89	78.60	39.5	2.00	84.67	41.3	2.05	83.38	42.0	1.99

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Manufacturing—Continued																		
Primary metal industries—Continued																		
Year and month	Primary refining of aluminum			Secondary smelting and refining of nonferrous metals			Rolling, drawing, and alloying of nonferrous metals <sup>1</sup>			Rolling, drawing, and alloying of copper			Rolling, drawing, and alloying of aluminum			Nonferrous foundries		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average	\$70.97	41.5	\$1.71	\$64.94	41.1	\$1.58	\$68.78	40.7	\$1.69	\$70.76	40.9	\$1.73	\$64.22	39.4	\$1.63	\$73.74	41.9	\$1.75
1952: Average	76.08	41.8	1.82	68.15	41.3	1.65	74.88	41.6	1.80	76.49	41.8	1.83	69.95	40.2	1.74	77.79	41.6	1.87
September	80.90	41.7	1.94	68.97	41.3	1.67	77.33	41.8	1.85	79.66	42.6	1.87	72.89	39.4	1.85	79.23	41.7	1.90
1952: November	81.18	41.0	1.98	73.44	43.2	1.70	80.28	42.7	1.88	83.14	43.3	1.92	75.48	40.8	1.85	81.87	42.2	1.94
December	80.32	41.4	1.94	75.60	43.7	1.73	82.51	43.2	1.91	86.00	44.1	1.95	75.67	40.9	1.85	84.00	43.3	1.94
1953: January	81.56	41.4	1.97	71.72	41.7	1.72	82.75	43.1	1.92	85.22	43.7	1.95	77.61	41.5	1.87	82.84	42.7	1.94
February	80.98	40.9	1.98	72.91	41.9	1.74	82.75	43.1	1.92	85.50	43.4	1.97	78.08	42.3	1.86	82.10	42.1	1.95
March	79.38	40.5	1.96	74.62	42.4	1.76	83.57	43.3	1.93	86.09	43.7	1.97	79.29	42.4	1.87	83.71	42.2	1.96
April	80.59	40.7	1.98	74.03	42.3	1.75	83.38	43.2	1.93	87.32	44.1	1.98	77.42	41.4	1.87	80.56	41.1	1.96
May	80.57	40.9	1.97	74.69	42.2	1.77	83.42	43.0	1.94	89.29	44.6	2.00	74.59	40.1	1.86	80.34	41.2	1.95
June	80.79	40.6	1.99	73.22	41.6	1.76	85.26	43.5	1.96	90.25	44.9	2.01	77.27	41.1	1.88	80.97	41.1	1.97
July	80.00	40.0	2.00	71.69	40.5	1.77	82.29	42.2	1.95	86.37	43.4	1.99	75.60	40.0	1.89	80.59	40.7	1.98
August	81.37	39.5	2.06	73.69	41.4	1.78	82.54	41.9	1.97	86.20	43.1	2.00	75.46	39.1	1.93	78.99	40.3	1.96
September	86.72	39.6	2.19	73.98	41.1	1.80	83.02	41.1	2.02	83.64	41.2	2.03	79.60	39.8	2.00	79.19	40.2	1.97
Primary metal industries—Continued																		
Year and month	Miscellaneous primary metal industries <sup>1</sup>			Iron and steel forgings			Wire drawing			Welded and heavy riveted pipe			Total: Fabricated metal products (except ordnance, machinery, and transportation equipment)			Tin cans and other tinware		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average	\$80.65	42.9	\$1.88	\$84.87	43.3	\$1.96	\$80.41	43.0	\$1.87	\$75.07	40.8	\$1.84	\$68.81	41.7	\$1.65	\$86.49	41.3	\$1.61
1952: Average	82.15	41.7	1.97	86.09	42.2	2.04	80.54	41.3	1.95	81.14	41.4	1.96	72.38	41.6	1.74	89.72	41.5	1.98
September	81.79	41.1	1.99	81.81	40.7	2.01	82.00	41.0	2.00	83.18	41.8	1.99	74.52	42.1	1.77	74.04	43.3	1.71
1952: November	87.55	42.5	2.06	89.25	42.5	2.10	86.51	42.2	2.05	87.55	42.5	2.06	75.90	42.4	1.70	71.45	41.3	1.73
December	90.06	43.3	2.08	95.47	44.2	2.16	86.90	42.4	2.04	87.55	42.5	2.06	78.37	43.3	1.81	74.52	42.1	1.77
1953: January	89.87	43.0	2.09	94.83	43.5	2.18	87.55	42.5	2.06	85.90	41.7	2.06	76.74	42.4	1.81	73.51	41.3	1.78
February	89.03	42.6	2.09	93.96	43.3	2.17	84.87	41.4	2.05	86.73	42.1	2.06	76.80	42.2	1.82	73.39	41.0	1.79
March	90.09	42.9	2.10	94.61	43.2	2.19	86.93	42.2	2.09	87.36	42.0	2.08	77.59	42.4	1.83	73.21	40.9	1.79
April	88.41	42.3	2.09	92.65	42.5	2.18	86.11	41.8	2.06	85.91	41.5	2.07	77.23	42.2	1.83	73.80	41.0	1.80
May	86.74	41.5	2.09	90.92	41.9	2.17	85.49	41.5	2.06	82.01	40.4	2.03	77.04	42.1	1.83	74.16	41.2	1.80
June	86.94	41.6	2.09	89.44	41.6	2.15	86.73	41.9	2.07	81.59	39.8	2.05	77.28	42.0	1.84	75.24	41.8	1.80
July	85.89	40.9	2.10	88.90	41.2	2.16	84.45	40.6	2.08	82.18	39.7	2.07	76.41	41.3	1.85	78.32	42.8	1.83
August	86.72	41.1	2.11	89.86	41.6	2.16	84.23	40.3	2.09	83.18	39.8	2.09	76.59	41.4	1.85	78.91	42.9	1.84
September	85.63	40.2	2.13	87.42	40.1	2.18	82.74	39.4	2.10	82.95	39.5	2.10	75.70	40.7	1.86	77.83	42.3	1.84
Fabricated metal products—Continued																		
Year and month	Cutlery, hand tools, and hardware <sup>1</sup>			Cutlery and edge tools			Hand tools			Hardware			Heating apparatus (except electric) and plumbers' supplies <sup>2</sup>			Sanitary ware and plumbers' supplies		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average	\$96.30	41.7	\$1.59	\$90.74	41.6	\$1.46	\$99.70	42.5	\$1.64	\$96.49	41.3	\$1.61	\$98.71	40.9	\$1.68	\$75.24	41.8	\$1.80
1952: Average	69.05	41.1	1.68	63.55	41.0	1.55	69.38	41.3	1.68	70.69	41.1	1.72	70.96	40.8	1.74	73.60	40.0	1.84
September	70.04	41.2	1.70	65.05	41.7	1.56	68.95	40.8	1.66	72.69	41.3	1.76	73.39	41.7	1.76	75.11	40.6	1.85
1952: November	73.60	42.3	1.74	67.84	42.4	1.60	72.38	41.6	1.74	76.25	42.6	1.79	73.34	41.2	1.78	76.30	40.8	1.87
December	75.25	43.0	1.75	68.75	42.7	1.61	73.43	42.2	1.74	78.30	43.5	1.80	75.78	42.1	1.80	78.62	41.6	1.89
1953: January	74.80	42.5	1.76	66.40	41.5	1.60	74.10	42.1	1.76	77.83	43.0	1.81	72.90	40.5	1.80	75.39	40.1	1.88
February	74.69	42.2	1.77	66.49	41.3	1.61	74.58	41.9	1.78	77.11	42.6	1.81	74.21	41.0	1.81	76.73	40.6	1.89
March	74.69	42.2	1.77	66.40	41.5	1.60	75.78	42.1	1.80	76.93	42.5	1.81	74.21	41.0	1.81	76.76	40.4	1.90
April	74.87	42.3	1.77	66.65	41.4	1.61	75.54	42.2	1.79	77.71	42.7	1.82	74.48	40.7	1.83	77.38	40.3	1.92
May	75.12	42.2	1.78	66.08	41.3	1.60	75.00	41.9	1.79	78.14	42.7	1.83	73.21	40.5	1.81	76.19	40.1	1.90
June	75.36	42.1	1.79	65.92	41.2	1.60	75.96	42.2	1.80	78.02	42.4	1.84	72.95	40.1	1.82	74.26	39.5	1.88
July	73.39	41.0	1.79	65.29	40.3	1.62	74.34	41.3	1.83	75.03	41.0	1.83	72.98	40.1	1.82	74.09	39.2	1.89
August	72.62	40.8	1.78	67.57	41.2	1.64	73.03	40.8	1.79	73.89	40.6	1.82	72.80	40.0	1.82	74.29	39.1	1.90
September	72.62	40.8	1.78	67.16	40.7	1.65	73.39	41.0	1.79	74.07	40.7	1.82	71.76	39.0	1.84	72.95	37.8	1.93
Fabricated metal products—Continued																		
Year and month	Oil burners, non-electric heating and cooking apparatus, not elsewhere classified			Fabricated structural metal products <sup>3</sup>			Structural steel and ornamental metal-work			Metal doors, sash, frames, molding, and trim			Boiler-shop products			Sheet metalwork		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average	\$66.18	40.6	\$1.63	\$71.49	42.3	\$1.69	\$71.49	42.3	\$1.69	\$71.57	42.1	\$1.70	\$71.90	42.8	\$1.68	\$70.39	41.9	\$1.65
1952: Average	69.87	41.1	1.70	74.87	42.3	1.77	75.05	42.4	1.77	74.23	41.7	1.78	74.80	42.5	1.76	75.18	42.0	1.79
September	72.83	42.1	1.73	76.80	42.7	1.80	77.83	43.0	1.81	71.45	41.3	1.73	75.36	42.1	1.79	79.24	43.3	1.83
1952: November	72.45	41.4	1.75	78.14	42.7	1.83	77.90	42.8	1.82	80.14	42.4	1.80	76.90	42.3	1.82	80.11	43.3	1.85
December	74.87	42.3	1.77	79.92	43.2	1.85	78.51	42.9	1.83	81.99	43.1	1.90	80.04	43.5	1.84	80.35	43.2	1.86
1953: January	72.04	40.7	1.77	78.38	42.6	1.84	78.94	42.9	1.84	78.40	41.7	1.88	78.38	42.6	1.84	78.29	42.5	1.84
February	73.16	41.1	1.78	79.24	42.6	1.86	79.18	42.8	1.85	77.49	41.0	1.85	79.79	42.9	1.86	79.29	42.4	1.87
March	73.34	41.2	1.78	79.79	42.9	1.86	79.92	43.2	1.85	80.56	42.4	1.90	79.55	43.0	1.85	79.10	42.3	1.87
April	73.21	40.9	1.79	79.61	42.8	1.86	79.55	43.0	1.85	78.58	41.8	1.88	80.35	43.2	1.86	80.33	42.5	1.89
May	72.27	40.6	1.78	79.85	42.7	1.87	80.35	43.2	1.86	79.34	42.2	1.88	79.85	42.7	1.87	79.90	42.1	1.90
June	72.32	40.4	1.79	80.46	42.8	1.88	81.97	43.6	1.88	81.13	42.7	1.90	80.09	42.6	1.88	78.81	41.7	1.89
July	72.50	40.5	1.79	79.00	41.8	1.89	79.71	42.4	1.88	78.41	41.5	1.89	80.98	42.4	1.91	75.79	40.1	1.89
August	72.32	40.4	1.79	81.56	42.7	1.91	82.46	43.4	1.90	78.31	41.0	1.91	82.41	42.7	1.93	80.37	42.3	1.90
September	71.50	39.5	1.81	80.45	41.9	1.92	80.41	42.1	1.91	77.55	40.6	1.91	81.06	42.0	1.93	81.25	42.3	1.90



TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																						
	Fabricated metal products (except ordnance, machinery, and transportation equipment)—Continued																						
	Metal stamping, coating, and engraving <sup>1</sup>			Vitreous-enamelled products			Stamped and pressed metal products			Lighting fixtures			Fabricated wire products			Miscellaneous fabricated metal products <sup>2</sup>							
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings					
1951: Average.....	\$96.38	40.7	\$1.66	\$52.92	37.8	\$1.40	\$70.58	40.8	\$1.73	\$64.64	40.4	\$1.60	\$65.03	40.9	1.56	\$72.11	43.7	\$1.65					
1952: Average.....	74.29	41.5	1.79	53.96	37.4	1.44	77.33	41.8	1.85	68.00	40.0	1.70	68.30	40.9	1.67	73.02	42.7	1.71					
September.....	77.23	42.2	1.83	55.92	38.3	1.46	80.14	42.4	1.89	69.49	40.4	1.72	70.97	41.5	1.71	73.95	42.5	1.74					
1952: November.....	79.00	42.7	1.85	56.79	38.9	1.46	81.70	43.0	1.90	70.93	41.0	1.73	72.56	41.7	1.74	77.79	43.7	1.78					
December.....	82.91	44.1	1.89	60.35	40.5	1.49	85.69	44.4	1.93	75.36	42.9	1.78	75.43	43.1	1.75	79.83	44.6	1.79					
1953: January.....	80.22	42.9	1.87	59.49	39.4	1.51	83.52	43.5	1.92	75.24	41.8	1.80	73.50	42.0	1.75	78.84	43.8	1.80					
February.....	79.10	42.3	1.87	58.89	39.0	1.51	82.18	42.8	1.92	75.12	41.5	1.81	73.22	41.6	1.76	79.10	43.7	1.81					
March.....	79.52	42.3	1.88	59.49	39.4	1.51	82.41	42.7	1.93	74.40	41.8	1.78	73.63	41.6	1.77	80.44	44.2	1.82					
April.....	79.29	42.4	1.87	57.08	37.8	1.51	82.18	42.8	1.92	71.10	40.4	1.76	72.51	41.2	1.76	80.70	44.1	1.83					
May.....	79.15	42.1	1.88	57.53	38.1	1.51	81.83	42.4	1.93	70.98	40.1	1.77	72.16	41.0	1.76	80.70	44.1	1.83					
June.....	78.58	41.8	1.88	58.22	38.3	1.52	81.67	42.1	1.94	70.98	40.1	1.77	72.16	41.0	1.76	79.97	43.7	1.83					
July.....	78.88	41.3	1.91	63.45	41.2	1.54	82.15	41.7	1.97	71.42	39.9	1.79	72.22	39.9	1.81	77.78	42.5	1.83					
August.....	78.12	40.9	1.91	60.76	39.2	1.55	80.95	41.3	1.96	70.62	39.9	1.77	73.26	40.7	1.80	77.41	42.3	1.83					
September.....	76.90	40.1	1.92	58.78	37.2	1.58	79.59	40.4	1.97	69.17	39.3	1.76	71.82	39.9	1.80	75.95	41.5	1.83					
Fabricated metal products (except ordnance, machinery, and transportation equipment)—Continued																							
Fabricated metal products (except ordnance, machinery, and transportation equipment)—Continued												Machinery (except electrical)											
Metal shipping barrels, drums, kegs, and pots			Steel springs			Bolts, nuts, washers, and rivets			Screw-machine products			Total: Machinery (except electrical)				Engines and turbines <sup>3</sup>							
1951: Average.....	\$71.91	42.3	\$1.70	\$73.43	42.2	\$1.74	\$74.02	43.8	\$1.69	\$74.75	45.3	\$1.65	\$76.38	43.4	\$1.76	\$79.12	43.0	\$1.84					
1952: Average.....	79.61	43.5	1.83	74.26	40.8	1.82	72.83	42.1	1.73	70.37	44.4	1.72	70.61	42.8	1.86	82.26	42.4	1.94					
September.....	82.40	44.3	1.86	74.37	40.2	1.85	72.63	41.5	1.75	77.00	44.0	1.75	79.85	42.7	1.87	80.48	41.7	1.93					
1952: November.....	84.63	43.4	1.95	80.79	42.3	1.91	77.33	43.2	1.79	80.36	45.4	1.77	80.94	42.6	1.90	84.18	42.3	1.99					
December.....	84.48	43.1	1.96	80.44	44.1	1.96	79.82	44.1	1.81	82.24	46.2	1.78	83.52	43.8	1.92	87.06	43.1	2.02					
1953: January.....	80.93	41.6	1.95	85.41	43.8	1.95	79.17	43.5	1.82	81.45	45.6	1.79	82.90	43.0	1.93	83.62	41.6	2.01					
February.....	80.10	41.8	1.93	85.05	43.7	1.96	79.17	43.0	1.82	82.17	45.4	1.81	83.03	42.8	1.94	84.23	41.7	2.02					
March.....	80.10	41.5	1.93	85.89	43.6	1.97	81.70	44.4	1.84	84.18	46.0	1.83	84.05	43.1	1.95	83.42	41.5	2.01					
April.....	82.06	42.3	1.94	84.28	43.0	1.96	80.78	43.9	1.84	84.00	45.9	1.83	83.46	42.8	1.95	83.43	41.3	2.02					
May.....	84.44	43.3	1.95	84.71	43.0	1.97	81.77	44.2	1.85	83.27	45.5	1.83	82.88	42.5	1.95	84.66	41.5	2.04					
June.....	83.61	43.1	1.94	83.69	42.7	1.96	81.03	43.8	1.85	83.25	45.0	1.85	82.29	42.2	1.95	84.67	41.3	2.05					
July.....	82.52	42.1	1.96	82.12	41.9	1.96	78.26	42.3	1.85	79.97	43.7	1.83	81.73	41.7	1.96	83.64	40.6	2.06					
August.....	83.58	42.0	1.99	80.70	41.6	1.94	78.12	42.0	1.86	78.37	43.3	1.81	81.73	41.7	1.96	84.45	40.6	2.08					
September.....	81.61	40.4	2.02	78.80	40.0	1.97	77.19	41.5	1.86	77.35	42.5	1.82	82.17	41.5	1.98	85.26	40.6	2.10					
Machinery (except electrical)—Continued																							
Steam engines, turbines, and water wheels												Diesel and other internal combustion engines, not elsewhere classified			Agricultural machinery and tractors <sup>4</sup>			Tractors		Agricultural machinery (except tractors)		Construction and mining machinery <sup>5</sup>	
1951: Average.....	\$83.27	42.7	\$1.95	\$78.26	43.0	\$1.82	\$73.26	40.7	\$1.80	\$75.67	40.9	\$1.85	\$70.88	40.5	\$1.75	\$75.82	44.6	\$1.70					
1952: Average.....	89.02	42.8	2.08	80.37	42.3	1.90	75.41	39.9	1.89	77.02	39.7	1.94	73.97	40.2	1.84	77.61	43.6	1.78					
September.....	91.10	43.0	2.12	77.64	41.3	1.88	71.55	39.1	1.83	71.98	38.7	1.86	71.10	39.5	1.80	75.96	42.2	1.80					
1952: November.....	93.31	43.4	2.15	81.90	42.0	1.95	72.94	38.8	1.88	74.88	39.0	1.92	71.21	38.7	1.84	78.51	42.9	1.83					
December.....	96.36	44.2	2.18	84.94	42.9	1.98	77.20	40.0	1.93	79.40	39.9	1.99	74.77	40.2	1.89	80.11	43.3	1.85					
1953: January.....	97.01	43.5	2.23	80.34	41.2	1.95	77.41	39.9	1.94	79.40	39.7	2.00	74.99	40.1	1.87	79.98	43.0	1.86					
February.....	96.78	43.4	2.23	81.35	41.8	1.97	78.59	40.3	1.95	80.80	40.0	2.02	76.73	40.6	1.89	79.71	42.4	1.88					
March.....	86.00	40.8	2.13	82.57	41.7	1.98	78.78	40.4	1.95	80.69	39.9	2.02	77.11	40.8	1.89	81.65	43.2	1.89					
April.....	86.90	40.8	2.13	82.39	41.4	1.99	79.19	40.4	1.96	80.29	39.9	2.01	78.12	40.9	1.91	80.28	42.7	1.88					
May.....	98.08	43.4	2.26	81.59	41.0	1.99	77.41	39.9	1.94	79.20	39.6	2.00	75.58	40.2	1.88	80.51	42.6	1.89					
June.....	87.94	40.9	2.15	83.63	41.4	2.02	76.81	39.8	1.93	78.80	39.6	1.99	74.61	39.9	1.87	80.60	42.2	1.91					
July.....	83.98	38.0	2.21	83.43	41.3	2.02	75.85	39.3	1.93	77.22	39.0	1.98	74.45	39.6	1.88	78.47	41.3	1.90					
August.....	99.84	43.6	2.29	80.00	39.8	2.01	76.42	39.8	1.92	79.40	40.1	1.98	73.66	39.9	1.86	77.55	40.6	1.91					
September.....	96.50	42.7	2.26	82.00	40.0	2.05	76.04	39.4	1.93	78.00	39.0	2.00	74.43	39.8	1.87	76.40	40.0	1.91					
Construction and mining machinery—Continued																							
Construction and mining machinery, except for oilfields			Oilfield machinery and tools			Metalworking machinery <sup>6</sup>			Machine tools			Metalworking machinery (except machine tools)			Machine-tool accessories								
1951: Average.....	\$75.04	44.4	\$1.69	\$77.29	45.2	\$1.71	\$83.74	46.6	\$1.84	\$84.85	47.4	\$1.79	\$82.26	45.2	\$1.82	\$87.98	46.8	\$1.88					
1952: Average.....	76.64	43.3	1.77	79.48	44.4	1.79	91.87	46.4	1.98	89.97	47.1	1.91	85.14	45.1	1.91	93.53	46.6	2.05					
September.....	75.00	41.9	1.79	78.44	43.1	1.82	93.93	46.5	2.02	91.37	47.1	1.94	86.46	44.8	1.93	98.28	46.8	2.10					
1952: November.....	77.90	42.8	1.82	79.74	43.1	1.85	94.92	46.3	2.05	92.00	46.7	1.97	89.60	44.8	2.00	99.22	46.8	2.12					
December.....	79.74	43.1	1.85	81.65	43.9	1.86	97.85	47.5	2.06	94.84	47.9	1.98	92.26	45.9	2.01	102.24	48.0	2.13					
1953: January.....	79.18	42.8	1.85	81.53	43.6	1.87	97.70	47.2	2.07	94.92	47.7	1.99	90.45	45.0	2.01	102.29	47.8	2.14					
February.....	79.18	42.1	1.88	80.97	43.3	1.87	96.67	46.7	2.07	94.74	46.9	2.02	90.45	45.0	2.01	109.75	47.3	2.13					
March.....	81.49	43.1	1.89	82.40	43.6	1.89	98.23	47.0	2.09	96.02	47.3	2.03	90.65	45.1	2.01	102.56	47.7	2.15					
April.....	80.51	42.6	1.89	79.79	42.9	1.86	97.69	46.7	2.09	95.08	47.1	2.04	91.76	45.2	2.03	101.27	47.1	2.15					
May.....	80.76	42.5	1.90	80.65	42.9	1.88	97.44	46.4	2.10	95.27	46.7	2.04	90.34	44.5	2.03	101.90	47.0	2.17					
June.....	80.22	42.0	1.91	82.18	42.8	1.92	94.89	45.4	2.09	93.43	45.8	2.04	90.99	44.6	2.02	97.61	45.4	2.15					
July.....	77.90	41.0	1.90	80.22	42.0	1.91	93.18	44.8	2.08	91.15	44.9	2.03	89.30	44.3	2.03	96.30	45.0	2.14					
August.....	76.89	40.1	1.91	79.65	41.7	1.91	94.53	44.8	2.11	91.80	45.0	2.04	88.74	43.5	2.04	98.90	45.2	2.19					
September.....	70.97	40.3	1.91	74.87	39.2	1.91	95.21	44.7	2.13	93.98	45.4	2.07	86.29	42.3	2.04	99.44	45.2	2.20					

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																	
	Machinery (except electrical)—Continued																	
	Special-industry machinery (except metalworking machinery) <sup>1</sup>			Food-products machinery			Textile machinery			Paper-industries machinery			Printing-trades machinery and equipment			General industrial machinery <sup>1</sup>		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$74.73	43.7	\$1.71	\$74.56	43.1	\$1.73	\$68.79	42.2	\$1.63	\$80.07	47.1	\$1.70	\$82.09	43.9	\$1.87	\$77.09	44.3	\$1.74
1952: Average	77.40	43.0	1.80	77.96	42.6	1.83	68.54	40.8	1.68	82.08	45.6	1.80	87.36	43.9	1.99	79.24	43.3	1.83
September	78.26	43.0	1.82	78.26	42.3	1.85	69.80	41.3	1.69	81.99	45.3	1.81	86.70	43.6	1.99	79.74	43.1	1.85
1952: November	78.94	42.9	1.84	78.68	42.3	1.86	70.28	41.1	1.71	81.88	44.5	1.84	91.67	44.5	2.06	80.60	43.1	1.87
December	81.65	43.9	1.86	81.27	43.0	1.89	73.18	42.3	1.73	86.12	46.3	1.86	94.71	45.1	2.10	83.98	44.2	1.90
1953: January	80.54	43.3	1.86	80.04	42.8	1.87	73.08	42.0	1.74	82.98	45.1	1.84	95.85	45.0	2.13	82.46	43.4	1.90
February	81.78	43.5	1.88	79.71	42.4	1.88	73.60	42.3	1.74	82.70	44.7	1.85	94.55	44.6	2.12	82.51	43.2	1.91
March	82.16	43.7	1.88	82.08	43.2	1.90	73.08	42.0	1.74	83.62	45.2	1.85	96.06	45.1	2.13	84.53	43.8	1.93
April	81.84	43.3	1.89	79.61	41.9	1.90	72.38	41.6	1.74	84.22	44.8	1.88	95.64	44.9	2.13	83.76	43.4	1.93
May	81.65	43.2	1.89	83.28	43.6	1.91	72.80	41.6	1.75	83.22	44.5	1.87	94.13	44.4	2.12	83.76	43.4	1.93
June	81.27	43.0	1.89	81.51	42.9	1.90	72.45	41.4	1.75	82.84	44.3	1.87	92.00	43.6	2.11	83.38	43.2	1.93
July	80.37	42.3	1.90	82.75	43.1	1.92	69.60	40.0	1.74	81.97	43.6	1.88	93.93	44.1	2.13	82.60	42.8	1.93
August	79.76	42.2	1.89	82.70	43.3	1.91	70.12	40.3	1.74	81.22	43.9	1.85	89.88	42.8	2.10	82.84	42.7	1.94
September	80.06	41.7	1.92	81.67	42.1	1.94	69.17	39.3	1.76	82.40	43.6	1.89	92.66	43.3	2.14	83.89	42.8	1.90
<b>Pumps, air and gas compressors</b>																		
1951: Average	\$76.88	44.7	\$1.72	\$77.35	43.7	\$1.77	\$71.64	42.9	\$1.67	\$80.28	45.1	\$1.78	\$79.12	44.7	\$1.77	\$72.58	43.2	\$1.68
1952: Average	78.66	43.7	1.80	79.79	42.9	1.86	74.47	42.8	1.74	81.22	43.2	1.88	80.17	43.1	1.86	76.97	43.0	1.79
September	77.76	43.2	1.80	80.69	42.6	1.88	75.86	43.1	1.76	80.22	42.0	1.91	80.33	42.5	1.89	80.41	43.7	1.84
1952: November	79.67	43.3	1.84	81.51	42.9	1.90	75.86	43.1	1.76	83.61	43.1	1.94	83.33	43.4	1.92	78.13	41.6	1.83
December	82.09	43.9	1.87	85.75	44.2	1.94	76.36	42.9	1.78	86.78	44.5	1.95	86.14	44.4	1.94	79.92	43.2	1.85
1953: January	81.16	43.4	1.87	83.87	43.3	1.93	75.58	42.7	1.77	83.42	43.0	1.94	85.61	43.9	1.95	79.18	42.8	1.85
February	81.22	43.2	1.88	82.75	43.1	1.92	75.23	42.5	1.77	82.41	42.7	1.93	86.68	44.0	1.97	79.34	42.2	1.88
March	83.47	43.7	1.91	85.85	44.1	1.94	76.11	43.0	1.77	85.22	43.7	1.95	87.47	44.4	1.97	82.32	43.1	1.91
April	82.70	43.3	1.91	85.22	43.7	1.95	76.01	42.7	1.78	84.24	43.2	1.95	86.24	44.0	1.96	80.46	42.8	1.88
May	82.56	43.0	1.92	85.36	44.0	1.94	76.54	43.0	1.78	84.83	43.5	1.95	86.24	44.0	1.96	81.13	42.7	1.90
June	82.37	42.9	1.92	84.97	43.8	1.94	77.51	43.3	1.79	82.74	42.9	1.97	85.06	43.4	1.96	81.02	42.2	1.92
July	80.83	42.1	1.92	85.36	44.0	1.94	75.58	42.7	1.77	83.50	42.6	1.96	85.50	43.4	1.97	77.46	41.2	1.88
August	81.06	42.0	1.93	82.06	42.3	1.94	79.97	43.7	1.83	82.32	42.0	1.96	85.46	43.6	1.96	80.48	41.7	1.93
September	84.28	43.0	1.96	84.08	42.9	1.96	77.79	41.6	1.87	83.42	43.0	1.94	84.55	42.7	1.98	79.73	41.1	1.94
<b>Office and store machines and devices<sup>1</sup></b>																		
1951: Average	\$73.33	41.9	\$1.75	\$78.85	41.5	\$1.90	\$68.16	42.6	\$1.60	\$70.64	40.6	\$1.74	\$69.32	40.3	\$1.72	\$75.37	44.6	\$1.69
1952: Average	75.29	40.9	1.84	81.80	40.9	2.00	68.88	41.0	1.68	75.81	41.2	1.84	75.07	40.8	1.84	76.65	43.8	1.75
September	76.67	41.0	1.87	83.84	41.1	2.04	68.78	40.7	1.69	78.35	41.9	1.87	78.07	42.2	1.85	76.03	43.2	1.76
1952: November	76.11	40.7	1.87	83.84	41.1	2.04	69.53	40.9	1.70	77.46	41.2	1.88	79.99	42.1	1.90	77.07	43.3	1.78
December	76.86	41.1	1.87	83.84	41.1	2.04	70.28	41.1	1.71	81.18	42.5	1.91	78.77	41.9	1.88	80.91	44.7	1.81
1953: January	76.92	40.7	1.89	84.46	41.2	2.05	69.37	40.1	1.75	80.79	42.3	1.91	81.75	42.8	1.91	78.04	43.6	1.79
February	76.14	40.5	1.88	82.42	40.4	2.04	69.89	40.4	1.73	80.26	41.8	1.92	83.42	43.0	1.94	76.43	42.7	1.79
March	76.55	40.5	1.89	82.62	40.3	2.05	69.55	40.2	1.73	81.45	42.2	1.93	80.06	41.7	1.92	75.47	42.4	1.78
April	76.95	40.5	1.90	82.82	40.4	2.05	69.43	39.9	1.74	80.51	41.5	1.94	76.24	39.5	1.93	77.72	42.3	1.79
May	75.79	40.1	1.89	81.40	39.9	2.04	69.03	39.9	1.73	78.53	40.9	1.92	77.78	40.3	1.93	75.18	42.0	1.79
June	77.57	40.4	1.92	83.62	40.2	2.08	70.75	40.2	1.76	77.95	40.6	1.92	77.41	39.9	1.94	76.44	42.0	1.82
July	77.01	39.9	1.93	83.01	40.1	2.07	70.98	40.1	1.77	79.15	40.8	1.94	74.88	38.6	1.94	76.74	42.4	1.81
August	77.59	40.2	1.93	82.18	39.7	2.07	71.51	40.4	1.77	77.39	40.1	1.93	75.05	39.5	1.90	76.93	42.5	1.81
September	78.38	40.4	1.94	82.61	40.1	2.06	72.54	40.3	1.80	76.83	39.4	1.95	75.85	38.7	1.96	74.99	40.7	1.84
<b>Office and store machines and devices<sup>1</sup></b>																		
1951: Average	\$79.42	43.4	\$1.83	\$69.65	39.8	\$1.75	\$74.30	43.2	\$1.72	\$71.81	43.0	\$1.67	\$76.82	43.4	\$1.77	\$74.30	43.2	\$1.72
1952: Average	76.73	40.6	1.89	76.04	41.1	1.85	75.39	42.1	1.79	73.39	41.7	1.76	74.57	41.2	1.81	78.55	43.4	1.81
September	75.58	40.2	1.88	79.38	42.0	1.89	75.06	41.7	1.80	73.81	41.7	1.77	73.38	40.1	1.83	78.44	43.1	1.82
1952: November	78.09	41.1	1.90	77.68	41.1	1.89	77.28	42.0	1.84	76.13	41.6	1.83	76.45	41.1	1.86	79.86	43.4	1.84
December	79.68	41.5	1.92	81.60	42.5	1.92	79.61	42.8	1.86	77.75	41.8	1.86	79.29	42.4	1.87	81.96	44.3	1.85
1953: January	76.38	40.2	1.90	82.22	42.6	1.93	77.33	41.8	1.85	78.67	40.9	1.85	77.98	41.7	1.87	79.30	43.1	1.84
February	76.57	40.3	1.90	81.29	41.9	1.94	78.35	41.9	1.87	77.89	40.8	1.86	79.19	41.9	1.89	80.29	43.4	1.85
March	77.38	40.3	1.92	83.50	42.6	1.96	79.52	42.3	1.88	77.23	41.3	1.87	80.18	42.2	1.90	80.91	43.5	1.86
April	78.01	39.8	1.96	82.12	41.9	1.96	79.15	42.1	1.88	77.83	41.4	1.88	79.38	42.0	1.89	80.78	43.2	1.87
May	76.62	39.7	1.93	79.73	41.1	1.94	77.64	41.3	1.88	76.70	40.8	1.88	76.52	40.7	1.88	79.48	42.5	1.87
June	77.01	39.9	1.93	78.96	40.7	1.94	78.44	41.5	1.89	77.08	41.0	1.88	78.12	40.9	1.91	80.09	42.5	1.88
July	77.99	40.2	1.94	80.16	40.9	1.96	76.17	40.3	1.89	73.13	38.9	1.88	76.95	40.5	1.90	78.77	41.9	1.88
August	76.59	40.1	1.91	78.20	39.9	1.96	78.28	41.2	1.90	77.16	40.4	1.91	77.04	41.2	1.87	79.99	42.1	1.90
September	76.80	40.0	1.92	77.22	39.6	1.98	78.88	41.3	1.91	79.13	41.0	1.93	77.87	41.2	1.89	79.84	41.8	1.91

See footnotes at end of table.

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																		
	Electrical machinery																		
	Total: Electrical machinery			Electrical generating, transmission, distribution, and industrial apparatus <sup>2</sup>			Wiring devices and supplies			Carbon and graphite products (electrical)			Electrical indicating, measuring, and recording instruments			Motors, generators, and motor-generator sets			
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	
1951: Average.....	\$64.84	41.3	\$1.57	\$70.31	42.1	\$1.67	\$63.15	42.1	\$1.50	\$69.43	40.6	\$1.71	\$60.44	42.6	\$1.63	\$75.36	42.1	\$1.79	
1952: Average.....	68.64	41.1	1.67	73.99	41.8	1.77	64.78	41.6	1.58	75.58	41.3	1.83	71.48	41.8	1.71	80.22	42.0	1.91	
September.....	69.89	41.6	1.68	75.18	42.0	1.79	65.19	41.0	1.59	77.19	41.5	1.86	72.07	41.9	1.72	82.26	42.4	1.94	
1952: November.....	70.72	41.6	1.70	75.78	42.1	1.80	66.33	41.2	1.61	77.46	42.1	1.84	73.43	42.2	1.74	82.84	42.7	1.94	
December.....	71.57	42.1	1.70	77.47	42.8	1.81	68.04	42.0	1.62	79.24	42.6	1.86	73.70	42.6	1.73	84.05	43.1	1.95	
1953: January.....	71.72	41.7	1.72	76.86	42.0	1.83	66.91	41.3	1.62	78.77	41.9	1.88	73.39	41.7	1.76	83.95	42.4	1.98	
February.....	71.28	41.2	1.73	76.91	41.8	1.84	67.40	41.1	1.64	78.91	42.2	1.87	74.11	41.4	1.79	84.40	42.2	2.00	
March.....	72.21	41.5	1.74	77.89	42.1	1.85	67.90	41.4	1.64	78.96	42.0	1.88	74.11	41.4	1.79	85.20	42.6	2.00	
April.....	71.86	41.3	1.74	77.70	42.0	1.85	68.72	41.4	1.66	78.58	41.8	1.88	72.75	41.1	1.77	85.00	42.5	2.00	
May.....	70.96	40.8	1.74	76.59	41.4	1.83	68.09	41.0	1.66	77.98	41.7	1.87	72.27	40.6	1.78	82.78	41.6	1.99	
June.....	71.40	40.8	1.75	77.19	41.5	1.86	67.89	40.9	1.66	77.83	41.4	1.88	72.92	41.2	1.77	84.42	42.0	2.01	
July.....	70.58	40.1	1.76	76.30	40.8	1.87	67.37	40.1	1.68	78.44	41.5	1.89	72.90	40.5	1.80	82.62	40.9	2.02	
August.....	72.39	40.9	1.77	77.27	41.1	1.88	68.45	40.5	1.69	77.49	41.0	1.89	73.62	40.9	1.80	83.64	41.2	2.03	
September.....	72.27	40.6	1.78	77.71	40.9	1.90	67.94	40.2	1.69	79.27	41.5	1.91	74.93	41.4	1.81	84.25	40.7	2.07	
Power and distribution transformers			Switchgear, switchboards, and industrial controls			Electrical welding apparatus			Electrical appliances			Insulated wire and cable			Electrical equipment for vehicles				
1951: Average.....	\$68.95	40.5	\$1.69	\$69.28	42.5	\$1.63	\$84.18	45.5	\$1.85	\$67.32	39.6	\$1.70	\$64.87	42.4	\$1.53	\$69.08	40.4	\$1.71	
1952: Average.....	72.04	40.7	1.77	72.16	42.2	1.71	91.28	46.1	1.98	72.32	40.4	1.79	72.11	43.7	1.65	72.98	40.1	1.82	
September.....	72.34	41.1	1.76	72.93	42.4	1.72	91.46	45.5	2.01	73.21	40.9	1.79	74.65	44.7	1.67	76.30	40.8	1.87	
1952: November.....	73.12	40.4	1.81	73.60	42.3	1.74	93.32	46.2	2.02	75.35	41.4	1.82	76.91	44.2	1.74	73.26	39.6	1.85	
December.....	75.43	41.7	1.81	74.99	43.1	1.74	93.12	46.1	2.02	75.95	41.5	1.83	76.78	44.9	1.71	78.91	42.2	1.87	
1953: January.....	75.62	41.1	1.84	73.85	42.2	1.78	89.04	44.3	2.01	78.73	42.1	1.87	78.51	43.9	1.72	77.15	41.7	1.85	
February.....	75.48	40.8	1.85	74.34	42.0	1.77	87.84	43.7	2.01	78.25	41.4	1.89	73.70	43.1	1.71	79.18	42.1	1.88	
March.....	77.42	41.4	1.87	75.29	42.3	1.78	89.04	44.3	2.01	78.58	41.8	1.88	73.78	43.4	1.70	77.93	41.9	1.89	
April.....	76.63	41.2	1.86	75.90	42.4	1.79	86.28	42.5	2.03	77.83	41.4	1.88	73.53	43.0	1.71	78.96	42.0	1.88	
May.....	77.40	41.2	1.88	74.82	41.8	1.79	84.80	42.4	2.06	76.89	40.9	1.88	73.87	43.2	1.71	77.19	41.5	1.86	
June.....	76.45	41.1	1.86	74.46	41.6	1.79	83.78	42.1	1.99	74.80	40.9	1.87	72.93	42.4	1.72	77.90	41.0	1.90	
July.....	75.56	40.2	1.88	75.12	41.5	1.81	84.82	42.2	2.01	75.36	40.3	1.87	70.86	41.2	1.72	79.38	40.0	1.88	
August.....	77.16	40.4	1.91	76.31	41.7	1.83	88.10	43.4	2.03	75.81	39.9	1.90	69.32	40.3	1.72	76.14	40.5	1.88	
September.....	77.38	40.3	1.92	76.96	41.6	1.85	87.95	42.9	2.05	76.99	40.1	1.92	71.40	40.8	1.75	74.61	39.9	1.87	
Electric lamps			Communication equipment <sup>3</sup>			Radios, phonographs, television sets, and equipment			Radio tubes			Telephone, telegraph, and related equipment			Miscellaneous electrical products <sup>4</sup>				
1951: Average.....	\$58.20	40.7	\$1.43	\$60.27	41.0	\$1.47	\$58.32	40.5	\$1.44	\$55.06	41.4	\$1.33	\$77.33	43.2	\$1.79	\$60.60	40.4	\$1.50	
1952: Average.....	58.99	40.6	1.51	64.21	40.9	1.57	62.12	40.6	1.53	57.49	40.2	1.43	82.03	43.4	1.89	65.93	40.7	1.62	
September.....	59.74	39.3	1.52	65.41	41.4	1.58	63.29	41.1	1.54	59.02	40.7	1.45	82.40	43.6	1.89	68.81	41.7	1.65	
1952: November.....	62.37	40.5	1.54	65.99	41.5	1.59	63.71	41.1	1.55	61.27	41.4	1.48	83.96	43.5	1.93	67.08	40.9	1.64	
December.....	63.45	41.2	1.54	66.72	41.7	1.60	64.12	41.1	1.56	63.33	42.5	1.49	85.53	44.1	1.94	66.42	40.5	1.64	
1953: January.....	65.99	41.6	1.60	66.65	41.4	1.61	63.96	40.8	1.58	64.82	43.8	1.48	83.85	43.0	1.95	67.13	40.2	1.67	
February.....	67.39	41.6	1.62	65.77	40.6	1.62	63.92	40.2	1.59	62.51	41.4	1.51	82.26	42.4	1.94	67.03	39.9	1.68	
March.....	66.49	41.3	1.61	66.67	40.9	1.63	64.24	40.4	1.59	63.69	41.9	1.52	82.88	42.5	1.95	67.31	39.9	1.68	
April.....	66.49	41.3	1.61	66.18	40.6	1.63	64.00	40.0	1.60	62.67	41.5	1.51	82.29	42.2	1.95	67.31	40.3	1.67	
May.....	65.85	40.9	1.61	65.53	40.2	1.63	63.36	39.6	1.60	62.21	41.2	1.51	82.71	42.2	1.96	67.31	40.4	1.67	
June.....	63.12	39.7	1.59	66.66	40.4	1.65	64.64	39.9	1.62	62.73	41.0	1.53	82.91	42.3	1.96	68.04	40.5	1.68	
July.....	61.78	39.1	1.58	65.34	39.6	1.65	63.50	39.2	1.62	62.22	40.4	1.54	77.59	40.2	1.93	67.70	40.3	1.68	
August.....	63.76	39.6	1.61	68.06	41.0	1.66	65.69	40.3	1.63	65.10	42.0	1.55	84.12	42.7	1.97	71.21	41.4	1.72	
September.....	66.83	40.5	1.65	68.38	40.7	1.68	66.17	40.1	1.65	64.12	41.1	1.56	84.05	43.1	1.95	68.80	40.0	1.72	
Electrical machinery—Continued																		Transportation equipment	
Storage batteries			Primary batteries (dry and wet)			X-ray and non-radio electronic tubes			Total: Transportation equipment			Automobiles <sup>5</sup>			Motor vehicles, bodies, parts, and accessories				
1951: Average.....	\$66.17	40.1	\$1.65	\$53.99	39.7	\$1.36	\$74.58	45.2	\$1.65	\$75.67	40.2	\$1.85	\$75.45	39.5	\$1.91	\$76.04	39.4	\$1.93	
1952: Average.....	73.16	41.1	1.78	56.69	39.9	1.42	72.90	42.9	1.70	81.56	41.4	1.97	83.03	40.5	2.05	83.84	40.5	2.07	
September.....	79.24	43.3	1.83	56.96	40.4	1.41	75.15	42.7	1.76	84.82	42.2	2.01	88.20	41.8	2.11	89.03	41.8	2.13	
1952: November.....	75.71	41.6	1.82	57.17	39.7	1	74	42.24	42.0	1.72	85.48	41.9	2.04	89.25	41.9	2.13	90.30	42.0	2.15
December.....	73.80	41.0	1.80	56.91	39.8	1.44	74.65	42.9	1.74	87.11	42.7	2.04	90.31	42.4	2.13	91.38	42.5	2.15	
1953: January.....	73.31	40.5	1.81	58.00	40.0	1.45	73.57	41.8	1.76	85.06	41.9	2.03	86.94	41.4	2.10	87.77	41.4	2.12	
February.....	73.35	40.3	1.82	58.40	40.0	1.46	73.39	41.0	1.79	85.09	41.8	2.05	87.99	41.7	2.11	89.03	41.8	2.13	
March.....	74.30	40.6	1.83	58.68	40.2	1.46	72.14	40.3	1.79	85.49	41.7	2.05	88.20	41.8	2.11	89.25	41.9	2.13	
April.....	75.81	41.2	1.84	58.80	40.0	1.47	71.78	40.1	1.79	85.70	41.6	2.06	88.83	41.9	2.12	89.67	41.9	2.14	
May.....	75.62	41.1	1.84	60.38	40.8	1.48	69.77	40.1	1.74	84.67	41.3	2.05	87.15	41.5	2.10	88.19	41.6	2.12	
June.....	78.54	42.0	1.87	58.40	40.0	1.46	67.73	38.7	1.75	83.70	41.2	2.08	89.23	41.5	2.15	90.06	41.5	2.17	
July.....	79.76	42.2	1.89	57.17	39.7	1.44	68.11	38.7	1.76	84.86	40.8	2.08	87.91	41.7	2.16	88.32	40.7	2.17	
August.....	82.80	42.9	1.93	60.94	40.9	1.49	71.38	40.1	1.78	84.04	40.6	2.07	85.20	40.0	2.13	85.60	40.0	2.14	
September.....	79.13	41.0	1.93	59.75	40.1	1.49	72.40	40.0	1.81	81.97	39.6	2.07	82.82	38.7	2.14	83.38	38.6	2.16	

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																	
	Transportation equipment—Continued																	
	Truck and bus bodies			Trailers (truck and automobile)			Aircraft and parts <sup>1</sup>			Aircraft			Aircraft engines and parts			Aircraft propellers and parts		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$66.50	40.8	\$1.63	\$65.19	41.0	\$1.60	\$78.40	43.8	\$1.79	\$75.78	43.3	\$1.75	\$88.81	45.4	\$1.99	\$89.17	46.2	\$1.93
1952: Average	70.18	40.8	1.72	70.76	40.9	1.73	81.70	43.0	1.90	79.66	42.6	1.87	86.92	43.9	1.98	92.25	45.0	2.05
September	76.32	42.4	1.80	71.98	40.9	1.76	84.15	43.6	1.93	83.22	43.8	1.90	87.03	43.3	2.01	91.71	45.1	2.10
1952: November	71.64	39.8	1.80	70.64	40.6	1.74	84.48	43.1	1.96	82.66	42.8	1.93	88.94	43.6	2.04	95.10	45.5	2.09
December	72.45	40.7	1.78	74.52	42.1	1.77	86.94	43.9	1.98	84.00	43.7	1.94	92.16	45.4	2.03	94.02	45.2	2.08
1953: January	71.56	40.2	1.78	73.21	40.9	1.79	85.73	43.3	1.98	83.50	42.6	1.96	92.00	43.1	2.04	92.08	44.7	2.06
February	73.03	40.8	1.79	72.90	40.5	1.80	85.14	43.0	1.98	82.91	42.3	1.96	89.49	44.3	2.02	91.08	44.0	2.07
March	78.21	41.1	1.83	72.72	40.4	1.80	84.18	42.3	1.99	82.17	41.5	1.98	87.84	43.7	2.01	93.82	41.7	2.01
April	74.85	40.9	1.83	74.98	41.2	1.82	83.16	42.0	1.98	82.17	41.5	1.98	85.40	42.7	2.00	93.84	41.3	2.03
May	72.94	40.3	1.81	73.93	40.4	1.83	82.57	41.7	1.98	80.97	41.1	1.97	85.80	42.9	2.00	93.43	41.3	2.02
June	72.18	40.1	1.80	73.16	40.2	1.82	81.99	41.2	1.99	80.18	40.7	1.97	84.84	42.0	2.02	94.67	41.1	2.05
July	73.12	40.4	1.81	71.74	39.2	1.83	82.59	41.5	1.99	80.57	40.9	1.97	86.68	42.7	2.03	91.66	41.5	2.04
August	76.08	41.8	1.82	73.28	39.4	1.86	83.60	41.8	2.00	81.97	41.4	1.98	86.07	42.4	2.03	96.32	41.7	2.07
September	75.81	41.2	1.81	71.97	38.9	1.85	82.60	41.3	2.00	80.19	40.5	1.98	87.29	43.0	2.03	95.69	41.8	2.05
Other aircraft parts and equipment																		
1951: Average	\$78.96	43.7	\$1.80	\$69.83	39.9	\$1.75	\$71.42	39.9	\$1.79	\$60.95	40.1	\$1.52	\$76.48	40.9	\$1.87	\$81.12	41.6	\$1.95
1952: Average	81.27	43.2	1.88	75.17	40.2	1.87	76.78	40.2	1.91	66.25	39.9	1.66	77.74	40.7	1.91	81.14	41.4	1.98
September	82.08	43.2	1.90	77.16	40.4	1.91	78.57	40.5	1.94	69.03	39.9	1.73	76.02	39.8	1.91	81.16	41.4	1.96
1952: November	83.33	43.4	1.92	72.95	37.8	1.23	73.70	37.6	1.96	67.47	39.0	1.73	76.80	40.0	1.92	78.94	40.9	1.93
December	85.94	44.3	1.94	77.99	40.2	1.94	79.60	40.2	1.96	69.77	40.1	1.74	81.12	41.6	1.95	81.09	41.8	1.94
1953: January	84.63	43.4	1.95	76.03	39.6	1.92	77.62	39.6	1.96	68.46	39.8	1.72	79.37	40.7	1.96	78.94	40.9	1.93
February	85.65	43.7	1.96	76.60	38.3	2.00	78.11	38.1	2.05	68.11	39.6	1.72	79.98	40.6	1.97	79.56	40.8	1.95
March	86.29	43.8	1.97	78.79	39.2	2.01	80.73	39.0	2.07	69.49	40.4	1.72	81.41	40.5	2.01	84.46	41.4	2.04
April	85.10	43.2	1.97	80.19	39.7	2.02	81.95	39.4	2.08	71.86	41.3	1.74	81.61	40.2	2.03	85.07	40.9	2.08
May	83.30	42.5	1.96	80.19	39.7	2.02	81.74	39.3	2.08	72.28	41.3	1.75	79.79	39.5	2.02	80.55	39.1	2.06
June	83.75	42.3	1.98	79.40	39.5	2.01	81.14	39.2	2.07	70.41	40.7	1.73	81.20	40.0	2.03	85.66	40.7	2.09
July	81.38	42.4	1.99	80.57	39.5	2.04	82.53	39.3	2.10	70.93	40.3	1.76	77.99	39.8	2.01	78.16	38.5	2.03
August	83.98	42.2	1.99	80.77	39.4	2.05	82.71	39.2	2.11	70.75	40.2	1.76	79.76	39.1	2.04	82.39	38.8	2.07
September	84.00	42.0	2.00	78.69	38.2	2.06	80.81	38.3	2.11	68.06	37.6	1.81	80.94	39.1	2.07	82.35	39.4	2.09
Transportation equipment—Continued																		
Instruments and related products																		
Railroad and streetcar			Other transportation equipment			Total: Instruments and related products			Laboratory, scientific, and engineering instruments			Mechanical measuring and controlling instruments			Optical instruments and lenses			
1951: Average	\$70.40	40.0	\$1.76	\$68.83	42.3	\$1.62	\$68.20	42.1	\$1.62	\$96.85	45.0	\$1.93	\$68.69	42.4	\$1.62	\$72.07	42.9	\$1.68
1952: Average	74.00	40.0	1.85	73.02	42.7	1.71	72.07	41.9	1.72	93.11	45.2	2.06	71.66	42.4	1.60	76.50	42.5	1.80
September	69.30	37.9	1.83	73.96	43.0	1.72	73.43	42.2	1.74	96.01	45.5	2.11	73.79	42.9	1.72	77.71	42.7	1.82
1952: November	74.87	39.2	1.91	80.28	44.6	1.80	74.38	42.5	1.75	96.64	45.8	2.11	74.73	42.7	1.75	80.22	43.6	1.84
December	80.93	41.5	1.95	78.68	43.0	1.78	75.76	42.8	1.77	97.52	46.0	2.12	76.49	43.2	1.77	81.72	43.7	1.87
1953: January	79.98	40.6	1.97	71.23	40.7	1.75	73.87	41.8	1.76	93.66	44.6	2.10	73.74	41.9	1.76	80.29	43.4	1.85
February	80.40	40.4	1.99	72.04	40.7	1.77	73.39	41.7	1.76	92.82	44.2	2.10	74.34	42.0	1.77	80.29	43.4	1.85
March	78.41	39.6	1.98	72.39	40.9	1.77	73.74	41.9	1.76	92.19	43.9	2.10	74.16	41.9	1.77	80.11	43.3	1.85
April	78.21	39.5	1.98	72.22	40.8	1.77	72.10	41.2	1.75	90.57	43.9	2.05	74.05	41.6	1.78	81.47	43.8	1.86
May	79.00	39.9	1.98	75.17	41.3	1.82	73.22	41.6	1.76	89.87	43.0	2.09	73.51	41.3	1.78	81.22	43.9	1.85
June	78.01	39.4	1.98	75.17	41.3	1.82	73.87	41.5	1.78	90.09	42.9	2.10	74.52	41.4	1.80	79.98	43.0	1.86
July	78.00	39.0	2.00	70.31	39.5	1.78	71.86	40.6	1.77	82.40	40.0	2.06	71.96	40.2	1.79	78.26	42.3	1.85
August	77.39	38.5	2.01	72.07	39.6	1.82	73.39	41.0	1.79	88.62	42.2	2.10	73.67	40.7	1.81	78.02	42.4	1.84
September	80.13	38.9	2.06	73.42	39.9	1.84	74.34	41.3	1.80	91.16	42.8	2.13	75.44	41.0	1.81	77.04	42.1	1.83
Instruments and related products—Continued																		
Miscellaneous manufacturing industries																		
Surgical, medical, and dental instruments			Ophthalmic goods			Photographic apparatus			Watches and clocks			Total: Miscellaneous manufacturing industries			Jewelry, silverware, and plated ware <sup>1</sup>			
1951: Average	\$60.86	41.4	\$1.47	\$55.49	40.8	\$1.36	\$73.08	42.0	\$1.74	\$59.67	40.8	\$1.46	\$57.67	40.9	\$1.41	\$61.30	41.7	\$1.47
1952: Average	64.64	41.2	1.57	56.63	39.6	1.43	76.73	41.7	1.84	60.55	40.1	1.51	61.50	41.0	1.50	65.99	42.3	1.56
September	66.30	41.7	1.59	57.63	40.3	1.43	76.78	41.5	1.85	62.02	40.8	1.52	62.82	41.6	1.51	68.57	43.4	1.58
1952: November	66.08	41.3	1.60	59.18	41.1	1.44	79.29	42.4	1.87	62.73	41.0	1.53	64.26	42.0	1.53	71.84	44.9	1.60
December	66.59	41.6	1.60	59.74	41.2	1.45	80.09	42.6	1.88	63.86	41.2	1.55	65.57	42.3	1.55	72.72	45.2	1.60
1953: January	66.56	41.6	1.60	58.32	40.5	1.44	75.33	40.5	1.86	65.16	41.5	1.57	64.17	41.4	1.55	68.41	43.5	1.58
February	66.33	41.2	1.61	57.89	40.2	1.44	74.59	40.1	1.86	66.14	41.6	1.59	64.12	41.1	1.56	68.48	42.8	1.60
March	67.72	41.8	1.62	58.18	40.4	1.44	76.11	40.7	1.87	67.10	42.2	1.59	64.74	41.5	1.56	69.28	43.3	1.60
April	68.98	41.6	1.61	58.18	40.4	1.44	76.48	40.9	1.87	66.78	42.0	1.59	64.43	41.3	1.56	68.59	42.6	1.61
May	66.24	41.4	1.60	58.44	40.3	1.45	76.52	40.7	1.88	67.20	42.0	1.60	64.21	40.9	1.57	68.20	42.1	1.62
June	66.74	41.2	1.62	58.69	40.2	1.46	76.30	40.8	1.87	67.78	42.1	1.61	63.80	40.9	1.56	67.36	42.1	1.60
July	67.65	41.5	1.63	57.67	39.5	1.46	75.36	40.3	1.87	66.98	41.6	1.61	62.33	39.7	1.57	65.28	40.8	1.60
August	67.90	41.4	1.64	57.13	39.4	1.45	77.30	40.9	1.89	67.24	41.0	1.64	63.11	40.2	1.57	67.48	41.4	1.63
September	67.73	41.3	1.64	58.55	40.1	1.46	78.72	41.0	1.92	66.90	41.1	1.63	62.73	39.7	1.58	68.81	41.7	1.63



TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Manufacturing—Continued																	
	Miscellaneous manufacturing industries—Continued																	
	Jewelry and findings			Silverware and plated ware			Musical instruments and parts			Toys and sporting goods <sup>1</sup>			Games, toys, dolls, and children's vehicles			Sporting and athletic goods		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$58.38	41.7	\$1.40	\$65.73	41.6	\$1.58	\$63.65	40.8	\$1.56	\$53.60	39.7	\$1.35	\$53.72	39.5	\$1.36	\$53.33	39.8	\$1.34
1952: Average.....	63.33	42.6	1.49	70.98	42.0	1.69	68.64	41.1	1.67	58.73	40.5	1.45	58.84	40.3	1.46	58.90	40.9	1.44
September.....	65.69	43.5	1.51	74.74	43.2	1.73	70.47	41.7	1.69	60.15	41.2	1.46	60.15	41.2	1.46	60.30	41.3	1.44
1952: November.....	67.79	44.6	1.52	80.08	45.5	1.76	72.58	42.2	1.72	61.27	41.4	1.48	61.27	41.4	1.48	61.12	41.3	1.48
December.....	68.70	45.2	1.52	79.28	45.3	1.75	72.93	42.4	1.72	62.06	41.1	1.51	61.41	40.4	1.52	63.15	42.1	1.50
1953: January.....	66.79	43.9	1.52	71.74	42.2	1.70	71.28	41.2	1.73	60.15	40.1	1.50	59.04	39.1	1.51	61.09	41.4	1.49
February.....	65.91	42.8	1.54	73.44	42.7	1.72	72.21	41.5	1.74	61.90	40.4	1.51	60.04	39.5	1.52	61.08	41.6	1.49
March.....	66.10	43.2	1.53	75.09	43.5	1.74	72.73	41.8	1.74	62.06	41.1	1.51	61.81	40.4	1.53	62.58	42.0	1.49
April.....	64.41	42.1	1.53	76.13	43.5	1.75	72.28	41.3	1.75	61.05	40.7	1.50	61.56	40.5	1.52	60.83	41.1	1.48
May.....	63.91	41.5	1.54	76.03	43.2	1.76	70.88	40.5	1.75	60.90	40.6	1.50	61.41	40.4	1.52	60.53	40.9	1.48
June.....	63.38	41.7	1.52	74.73	42.7	1.75	70.35	40.2	1.75	60.60	40.4	1.50	60.70	40.2	1.51	60.24	40.7	1.48
July.....	60.70	40.2	1.51	73.50	42.0	1.75	68.78	39.3	1.75	58.20	38.8	1.50	57.45	38.3	1.50	59.00	39.6	1.49
August.....	62.78	40.5	1.55	75.68	43.0	1.76	70.80	40.0	1.77	59.40	39.6	1.50	58.95	39.3	1.50	59.60	40.0	1.49
September.....	63.18	40.5	1.56	78.40	43.8	1.79	70.67	39.7	1.78	58.74	38.9	1.51	59.43	39.1	1.52	57.90	38.6	1.50
Year and month	Manufacturing—Continued																	
	Miscellaneous manufacturing industries—Continued																	
	Pens, pencils, and other office supplies			Costume jewelry, buttons, notions			Fabricated plastic products			Other manufacturing industries			Class I railroads <sup>2</sup>			Local railways and busines <sup>3</sup>		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average.....	\$54.91	41.6	\$1.32	\$53.73	40.1	\$1.34	\$60.59	41.5	\$1.46	\$59.18	41.1	\$1.44	\$70.93	41.0	\$1.73	\$72.23	46.3	\$1.56
1952: Average.....	57.26	40.9	1.40	63.74	40.1	1.39	64.79	41.8	1.55	62.02	40.8	1.52	74.30	40.6	1.83	76.56	46.4	1.69
September.....	59.08	41.9	1.41	66.71	40.8	1.39	65.88	42.5	1.55	62.73	41.0	1.53	76.26	41.0	1.86	77.74	46.0	1.69
1952: November.....	58.79	41.4	1.42	59.74	41.2	1.45	67.62	42.8	1.58	64.06	41.6	1.54	74.29	39.1	1.90	77.81	45.5	1.71
December.....	59.76	41.5	1.44	59.47	41.3	1.44	68.96	43.1	1.60	65.68	42.1	1.56	76.30	40.8	1.87	78.66	46.0	1.71
1953: January.....	57.86	39.9	1.45	60.30	41.3	1.46	70.09	43.0	1.63	64.37	41.0	1.57	74.61	39.9	1.87	76.01	44.5	1.71
February.....	57.57	39.7	1.45	60.01	41.1	1.46	69.21	42.2	1.64	63.90	40.7	1.57	76.95	40.5	1.90	76.61	44.8	1.71
March.....	58.29	40.2	1.45	61.01	41.5	1.47	69.28	42.5	1.63	64.37	41.0	1.57	75.30	40.7	1.85	76.78	44.9	1.71
April.....	59.02	40.7	1.45	61.01	41.5	1.47	68.79	42.2	1.63	64.62	40.9	1.58	76.82	41.3	1.86	77.92	45.3	1.72
May.....	59.13	40.5	1.46	60.38	40.8	1.48	68.88	42.0	1.64	64.24	40.4	1.59	74.43	39.8	1.87	79.06	45.7	1.73
June.....	59.86	41.0	1.46	59.83	40.7	1.47	67.16	41.2	1.63	64.71	40.7	1.59	77.75	41.8	1.86	78.89	45.6	1.73
July.....	57.38	39.3	1.46	55.39	38.2	1.45	66.91	41.3	1.62	64.24	39.9	1.61	78.31	42.1	1.86	78.93	45.1	1.75
August.....	58.29	40.2	1.45	55.97	38.6	1.45	67.48	41.4	1.63	64.88	40.3	1.61	75.30	40.3	1.87	78.40	44.8	1.75
September.....	58.95	40.1	1.47	56.68	38.3	1.48	66.99	40.6	1.65	63.92	39.7	1.61				78.23	44.2	1.77
Year and month	Manufacturing—Continued																	
	Communication																	
	Telephone			Switchboard operating employees <sup>1</sup>			Line construction, installation, and maintenance employees <sup>2</sup>			Telegraph <sup>3</sup>			Total: Gas and electric utilities			Electric light and power utilities		
	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings	Avg. wky. earnings	Avg. wky. hours	Avg. hrly. earnings
1951: Average.....	\$58.26	39.1	\$1.49	\$49.39	37.7	\$1.31	\$81.32	42.8	\$1.90	\$68.24	44.6	\$1.53	\$71.65	41.9	\$1.71	\$72.91	41.9	\$1.74
1952: Average.....	61.22	38.5	1.59	61.43	37.0	1.39	86.51	42.2	2.05	72.48	43.4	1.67	75.12	41.5	1.81	76.18	41.4	1.84
September.....	62.70	39.0	1.61	63.53	37.7	1.42	88.83	42.5	2.09	74.55	42.6	1.75	76.13	41.6	1.83	77.61	41.5	1.87
1952: November.....	64.57	38.9	1.66	55.35	37.4	1.48	90.31	42.6	2.12	73.74	41.9	1.76	78.77	41.9	1.88	80.45	41.9	1.92
December.....	63.63	38.8	1.64	52.26	36.8	1.42	92.23	43.1	2.14	74.10	42.1	1.76	78.21	41.6	1.88	78.88	41.3	1.91
1953: January.....	63.90	38.5	1.65	52.56	36.5	1.44	92.02	43.0	2.14	73.63	41.6	1.77	78.40	41.7	1.88	79.27	41.5	1.91
February.....	63.58	38.3	1.66	53.07	36.6	1.45	89.25	41.9	2.13	73.46	41.5	1.77	77.40	41.2	1.88	78.50	41.1	1.91
March.....	63.03	38.2	1.65	52.20	36.5	1.43	88.83	41.9	2.12	73.63	41.6	1.77	77.87	41.2	1.89	78.71	41.1	1.92
April.....	63.20	38.3	1.65	52.20	36.5	1.43	89.67	42.1	2.13	73.63	41.6	1.77	78.50	41.1	1.91	79.13	41.0	1.93
May.....	64.63	38.7	1.67	54.68	37.2	1.47	90.95	42.5	2.14	75.90	42.4	1.79	79.52	41.2	1.93	80.15	41.1	1.95
June.....	65.13	39.0	1.67	54.09	37.3	1.45	93.53	43.3	2.16	75.60	42.0	1.80	80.22	41.5	1.93	81.54	41.6	1.96
July.....	64.35	39.0	1.65	54.38	37.5	1.45	90.95	42.3	2.15	74.76	42.0	1.78	81.32	41.7	1.95	82.35	41.8	1.97
August.....	64.08	38.6	1.66	53.57	37.2	1.44	91.15	42.2	2.16	74.76	42.0	1.78	80.93	41.5	1.95	82.17	41.5	1.98
September.....	68.16	39.4	1.73	59.75	38.3	1.59	93.94	42.7	2.20	77.46	42.1	1.84	82.35	41.8	1.97	83.60	41.8	2.00
Year and month	Manufacturing—Continued																	
	Transportation and public utilities—Continued																	
	Wholesale and retail trade									Other public utilities—Continued								
	Gas utilities			Electric light and gas utilities combined			Wholesale trade			Retail trade (except eating and drinking places)			General merchandise stores <sup>4</sup>			Department stores and general mail-order houses		
1951: Average.....	\$68.97	41.8	\$1.65	\$72.49	41.9	\$1.73	\$64.31	40.7	\$1.58	\$80.65	40.2	\$1.26	\$37.78	36.3	\$1.04	\$44.23	37.8	\$1.17
1952: Average.....	71.90	41.5	1.73	75.99	41.7	1.82	67.90	40.6	1.67	82.90	39.9	1.32	38.41	35.9	1.07	44.77	37.0	1.21
September.....	72.80	41.6	1.75	76.73	41.7	1.84	68.38	40.7	1.68	83.20	39.7	1.34	38.12	35.3	1.08	44.90	36.5	1.23
1952: November.....	75.78	42.1	1.80	79.19	41.9	1.89	69.19	40.7	1.70	82.55	39.0	1.35	37.15	34.4	1.06	43.19	35.4	1.22
December.....	74.46	41.6	1.79	79.19	41.9	1.89	69.53	40.9	1.70	82.54	39.8	1.32	38.48	37.0	1.04	45.90	38.9	1.18
1953: January.....	74.52	41.4	1.80	80.37	42.3	1.90	69.08	40.4	1.71	83.45	39.3	1.36	38.85	35.5	1.11	44.50	35.6	1.25
February.....	74.21	41.0	1.81	78.85	41.5	1.90	69.66	40.5	1.72	83.70	39.2	1.37	38.17	34.7	1.10	43.77	35.3	1.24
March.....	74.21	41.0	1.81	79.49	41.4	1.92	69.89	40.4	1.73	83.70	39.2	1.37	37.82	34.7	1.09	43.67	35.5	1.23
April.....	75.44	41.0	1.84	80.32	41.5	1.93	70.12	40.3	1.74	83.96	39.1	1.38	37.93	34.8	1.09	43.79	35.6	1.23
May.....	73.26	40.9	1.84	80.03	41.5	1.93	70.05	40.3	1.76	84.21	39.0	1.39	38.52	34.7	1.11	44.38	35.5	1.25
June.....	74.85	40.9	1.83	82.15	41.7	1.97	71.10	40.4	1.76	85.16	39.4	1.40	39.65	35.4	1.12	45.59	35.9	1.27
July.....	76.63	41.2	1.89	82.76	41.8	1.98	72.09	40.5	1.78	86.26	39.9	1.41	40.54	36.2	1.12	45.86	36.4	1.26
August.....	76.63	41.2	1.89	82.76	41.8	1.98	72.45	40.7	1.78	86.40	40.0	1.41	39.85	35.9	1.11	45.36	36.0	1.26
September.....	78.21	41.6	1.88	84.09	42.0	2.00	72.27	40.6	1.78	85.66	39.2	1.42	39.31	35.1	1.12	45.23	35.9	1.26

TABLE C-1: Hours and gross earnings of production workers or nonsupervisory employees<sup>1</sup>—Continued

Year and month	Wholesale and retail trade—Continued														
	Retail trade—Continued									Other retail trade					
	Food and liquor stores			Automotive and accessories dealers			Apparel and accessories stores			Furniture and appliance stores			Lumber and hardware supply stores		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$54.54	40.1	\$1.36	\$56.28	45.4	\$1.46	\$42.24	36.1	\$1.17	\$50.48	43.1	\$1.38	\$58.86	43.6	\$1.35
1952: Average.....	56.52	39.8	1.42	60.61	45.2	1.54	43.68	35.8	1.22	61.06	42.7	1.43	61.19	43.4	1.41
September.....	56.52	39.8	1.42	70.51	45.2	1.56	43.55	35.7	1.22	61.20	42.5	1.44	62.49	43.7	1.43
1952: November.....	56.99	39.3	1.45	71.26	45.1	1.58	43.65	35.2	1.24	62.46	42.2	1.48	61.78	42.9	1.44
December.....	57.13	39.4	1.45	71.28	45.4	1.57	45.49	36.1	1.26	65.66	43.2	1.52	61.92	43.3	1.43
1953: January.....	57.62	39.2	1.47	71.12	45.3	1.57	44.73	35.5	1.26	60.76	41.9	1.45	61.06	42.7	1.43
February.....	57.48	39.1	1.47	71.55	45.0	1.59	43.65	35.2	1.24	60.06	42.0	1.43	61.92	42.7	1.45
March.....	57.57	38.9	1.48	72.90	45.0	1.62	43.30	35.2	1.23	60.48	42.0	1.44	62.19	42.8	1.46
April.....	57.81	38.8	1.49	74.09	44.9	1.65	43.75	35.0	1.25	60.90	42.0	1.45	62.78	43.0	1.46
May.....	57.66	38.7	1.49	74.70	45.0	1.66	44.58	35.1	1.27	61.03	41.8	1.46	64.37	43.2	1.49
June.....	58.95	39.3	1.50	74.98	44.9	1.67	45.09	35.5	1.27	61.89	42.1	1.47	64.67	43.4	1.49
July.....	60.25	39.9	1.51	74.98	44.9	1.67	45.61	36.2	1.26	62.31	42.1	1.48	65.10	43.4	1.50
August.....	60.10	39.8	1.51	74.98	44.9	1.67	45.01	36.3	1.24	62.60	42.3	1.48	65.97	43.4	1.52
September.....	60.21	39.1	1.54	73.26	44.4	1.65	44.93	35.1	1.28	61.89	42.1	1.47	65.36	43.0	1.52
	Finance, insurance, and real estate <sup>1a</sup>						Service and miscellaneous								
	Banks and trust companies		Security dealers and exchanges	Insurance carriers	Hotels, year-round <sup>1b</sup>			Personal services						Motion-picture production and distribution <sup>1c</sup>	
								Laundries			Cleaning and dyeing plants				
	Avg. wkly. earnings	Avg. wkly. earnings	Avg. wkly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. earnings	Avg. wkly. earnings
1951: Average.....	\$50.32	\$53.68	\$61.31	\$35.42	43.2	\$0.82	\$37.81	41.1	\$0.92	\$43.99	41.5	\$1.06	\$83.95		
1952: Average.....	52.80	81.07	63.38	37.06	42.6	.87	38.63	41.1	.94	45.10	41.0	1.10	90.49		
September.....	52.41	77.78	63.25	36.89	42.4	.87	38.95	41.0	.95	46.07	41.5	1.11	90.19		
1952: November.....	53.42	80.10	64.06	37.22	42.3	.88	38.88	40.5	.96	44.96	40.5	1.11	88.85		
December.....	53.56	83.27	65.34	37.75	42.9	.88	39.55	41.2	.96	45.92	41.0	1.12	90.20		
1953: January.....	54.29	84.06	65.75	37.31	42.4	.88	39.36	41.0	.96	45.02	40.2	1.12	87.44		
February.....	54.61	83.21	66.23	37.65	42.3	.89	38.88	40.5	.96	43.73	39.4	1.11	90.76		
March.....	54.40	86.01	66.32	37.47	42.1	.89	39.38	40.6	.97	45.02	40.2	1.12	90.56		
April.....	54.47	86.78	66.55	37.83	42.5	.89	39.58	40.8	.97	45.36	40.5	1.12	89.64		
May.....	54.65	84.48	66.52	37.89	42.1	.90	40.67	41.5	.98	48.19	41.9	1.15	84.51		
June.....	54.28	82.55	67.20	38.22	42.0	.91	40.08	40.9	.98	47.08	41.3	1.14	91.46		
July.....	54.90	81.72	68.73	38.40	42.2	.91	39.30	40.1	.98	44.69	39.2	1.14	90.98		
August.....	54.68	78.71	67.86	38.52	42.8	.90	39.10	39.9	.98	44.46	39.0	1.14	90.97		
September.....	54.53	79.81	67.06	38.58	42.4	.91	39.90	40.3	.99	46.63	40.2	1.16	95.61		

<sup>1</sup> Data are based upon reports from cooperating establishments covering both full- and part-time employees who worked during, or received pay for, any part of the pay period ending nearest the 15th of the month. For mining, manufacturing, laundries, and cleaning and dyeing plants, data refer to production and related workers only. For the remaining industries, unless otherwise noted, data relate to nonsupervisory employees and working supervisors. Data for the three current months are subject to revision without notation; revised figures for earlier months will be identified by asterisks the first month they are published.

<sup>1a</sup> Italicized titles which follow are components of this industry.

<sup>1b</sup> See footnote 2, table A-2.

<sup>1c</sup> See footnote 3, table A-2.

<sup>2</sup> Figures for class I railroads (excluding switching and terminal companies) are based upon monthly data summarized in the M-300 report by the Interstate Commerce Commission and relate to all employees who received pay during the month, except executives, officials, and staff assistants (ICC Group I).

<sup>3</sup> Data include privately and government operated local railways and bus-lines.

<sup>4</sup> Data relate to employees in such occupations in the telephone industry as switchboard operators, service assistants, operating-room instructors, and pay-station attendants. During 1952 such employees made up 47 percent of the total number of nonsupervisory employees in telephone establishments reporting hours and earnings data.

<sup>5</sup> Data relate to employees in such occupations in the telephone industry as central office craftsmen, installation and exchange repair craftsmen, line, cable, and conduit craftsmen, and laborers. During 1952 such employees made up 23 percent of the total number of nonsupervisory employees in telephone establishments reporting hours and earnings data.

<sup>6</sup> Beginning with 1952, data relate to domestic employees, except messengers, and those compensated entirely on a commission basis and are not strictly comparable with figures shown for 1951.

<sup>7</sup> Data on average weekly hours and average hourly earnings are not available.

<sup>8</sup> Money payments only; additional value of board, room, uniforms, and tips, not included.

See NOTE on p. 1337

TABLE C-2: Gross average weekly earnings of production workers in selected industries, in current and 1947-49 dollars <sup>1</sup>

Year and month	Manufacturing		Bituminous coal mining		Laundries		Year and month	Manufacturing		Bituminous coal mining		Laundries	
	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars		Current dollars	1947-49 dollars	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars
1939: Average	\$23.86	\$40.17	\$23.88	\$40.20	\$17.64	\$29.70	1932: September	\$59.63	\$61.03	\$57.91	\$77.05	\$38.95	\$34.14
1941: Average	29.58	47.03	30.86	49.06	18.99	29.71	October	70.38	61.83	75.58	66.18	38.86	34.03
1946: Average	43.82	52.54	58.03	69.58	30.20	36.21	November	70.28	61.49	86.27	75.48	38.88	34.02
1948: Average	54.14	52.67	72.12	70.16	34.23	33.30	December	72.14	63.23	91.73	80.39	39.55	34.66
1949: Average	54.92	53.95	63.28	62.16	34.98	34.36	1953: January	71.34	62.63	87.79	77.08	39.36	34.56
1950: Average	59.33	57.71	70.35	68.43	35.47	34.50	February	71.17	62.76	81.42	71.80	38.88	34.29
1951: Average	64.71	58.30	77.79	70.08	37.81	34.06	March	71.93	63.32	81.76	71.97	39.38	34.67
1952: Average	67.97	59.89	78.32	69.00	38.63	34.04	April	71.40	62.80	79.61	70.02	39.58	34.81
							May	71.63	62.83	84.97	74.54	40.67	35.68
							June	71.63	62.56	91.25	79.69	40.28	35.18
							July	71.33	62.19	84.97	74.08	39.30	34.26
							August <sup>1</sup>	71.51	62.18	94.37	82.06	39.10	34.00
							September <sup>1</sup>	71.02	61.65	86.80	75.35	39.90	34.64

<sup>1</sup> These series indicate changes in the level of average weekly earnings prior to and after adjustment for changes in purchasing power as determined from the Bureau's Consumer Price Index, the years 1947-49 having been selected for the base period.

<sup>1</sup> Preliminary.

See Note on p. 1337.

TABLE C-3: Gross and net spendable average weekly earnings of production workers in manufacturing industries, in current and 1947-49 dollars <sup>1</sup>

Period	Gross average weekly earnings		Net spendable average weekly earnings				Period	Gross average weekly earnings		Net spendable average weekly earnings			
			Worker with no dependents		Worker with 3 dependents					Worker with no dependents		Worker with dependents	
	Amount	Index (1947-49 = 100)	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars		Amount	Index (1947-49 = 100)	Current dollars	1947-49 dollars	Current dollars	1947-49 dollars
1941: January.....	\$28.64	50.3	\$25.41	\$12.14	\$26.37	\$13.73	1952: September.....	\$69.63	131.5	\$56.93	\$49.89	\$54.93	\$56.91
1945: January.....	47.50	89.7	39.40	51.77	45.17	59.36	October.....	70.38	132.9	57.52	50.37	65.53	57.38
July.....	45.45	85.8	37.80	48.77	43.57	56.22	November.....	70.28	132.7	57.44	50.25	65.45	57.26
1946: June.....	43.31	81.8	37.30	46.74	42.78	53.61	December.....	72.14	136.2	58.89	51.61	66.94	58.67
1939: Average.....	23.86	45.1	23.58	39.70	23.62	39.76	1953: January.....	71.34	134.7	58.27	51.16	66.30	58.21
1940: Average.....	25.20	47.6	24.69	41.22	24.95	41.65	February.....	71.17	134.4	58.13	51.26	66.16	58.34
1941: Average.....	29.58	55.9	28.05	44.59	29.29	46.55	March.....	71.93	135.8	58.72	51.69	66.77	58.78
1942: Average.....	35.65	69.2	31.77	45.58	36.28	52.05	April.....	71.40	134.8	58.31	51.28	66.34	58.35
1943: Average.....	43.14	81.5	36.01	48.66	41.39	55.93	May.....	71.63	135.3	58.49	51.31	66.53	58.36
1944: Average.....	46.08	87.0	38.29	50.92	44.06	58.59	June.....	71.63	135.3	58.49	51.08	66.53	58.10
1945: Average.....	44.39	83.8	36.97	48.08	42.74	55.54	July.....	71.33	134.7	58.26	50.79	66.29	57.79
1946: Average.....	43.82	82.8	37.72	45.23	43.20	51.80	August <sup>1</sup> .....	71.51	135.1	58.40	50.78	66.43	57.77
1947: Average.....	49.97	94.4	42.76	44.77	45.24	50.51	September <sup>1</sup> .....	71.02	134.1	58.02	50.36	66.04	57.33
1948: Average.....	54.14	102.2	47.43	46.14	53.17	51.72							
1949: Average.....	54.92	103.7	48.09	47.24	53.83	52.88							
1950: Average.....	59.33	112.0	51.09	49.70	57.21	55.65							
1951: Average.....	64.71	122.2	54.04	48.68	61.28	55.21							
1952: Average.....	67.97	128.4	55.66	49.04	63.62	56.05							

<sup>1</sup> Net spendable average weekly earnings are obtained by deducting from gross average weekly earnings, social security and income taxes for which the specified type of worker is liable. The amount of income tax liability depends, of course, on the number of dependents supported by the worker as well as on the level of his gross income. Net spendable earnings have, therefore, been computed for 2 types of income-receivers: (1) A worker with no dependents; (2) a worker with 3 dependents. See footnote 1, table C-2.

The computation of net spendable earnings for both the worker with no dependents and the worker with 3 dependents are based upon the gross average

weekly earnings for all production workers in manufacturing industries without direct regard to marital status and family composition. The primary value of the spendable series is that of measuring relative changes in disposable earnings for 2 types of income-receivers.

<sup>1</sup> Preliminary.

See Note on p. 1337.

TABLE C-4: Average hourly earnings, gross and excluding overtime, of production workers in manufacturing industries <sup>1</sup>

Period	Manufacturing			Durable goods		Nondurable goods		Period	Manufacturing			Durable goods		Nondurable goods	
	Gross amount	Excluding overtime		Gross	Excluding overtime	Gross	Excluding overtime		Gross amount	Excluding overtime		Gross	Excluding overtime	Gross	Excluding overtime
		Amount	Index (1947-49 = 100)							Amount	Index (1947-49 = 100)				
1941: Average.....	\$0.729	\$0.702	54.5	\$0.808	\$0.770	\$0.640	\$0.625	1952: September.....	\$1.69	\$1.63	126.8	\$1.80	\$1.73	\$1.54	\$1.49
1942: Average.....	.853	.805	62.5	.947	.881	.723	.698	October.....	1.70	1.63	126.1	1.81	1.73	1.54	1.49
1943: Average.....	.961	.894	69.4	1.059	.976	.803	.763	November.....	1.71	1.65	128.1	1.82	1.74	1.56	1.51
1944: Average.....	1.019	.947	73.5	1.117	1.029	.861	.814	December.....	1.73	1.65	128.1	1.83	1.75	1.57	1.51
1945: Average.....	1.023	1.063	74.8	1.111	1.042	.904	.858	1953: January.....	1.74	1.67	129.7	1.84	1.76	1.58	1.53
1946: Average.....	1.086	1.051	81.6	1.156	1.122	1.015	.981	February.....	1.74	1.68	130.4	1.85	1.77	1.58	1.54
1947: Average.....	1.237	1.198	93.0	1.292	1.250	1.171	1.133	March.....	1.75	1.68	130.4	1.85	1.77	1.59	1.54
1948: Average.....	1.350	1.310	101.7	1.410	1.396	1.278	1.241	April.....	1.75	1.69	131.2	1.86	1.78	1.59	1.55
1949: Average.....	1.401	1.367	106.1	1.469	1.434	1.325	1.292	May.....	1.76	1.69	131.2	1.86	1.79	1.60	1.55
1950: Average.....	1.465	1.415	109.9	1.537	1.480	1.378	1.337	June.....	1.76	1.70	132.0	1.87	1.80	1.60	1.55
1951: Average.....	1.59	1.53	118.8	1.67	1.60	1.48	1.43	July.....	1.77	1.71	132.8	1.88	1.81	1.61	1.56
1952: Average.....	1.67	1.61	125.0	1.76	1.69	1.54	1.49	August <sup>2</sup> .....	1.77	1.71	132.8	1.88	1.81	1.61	1.56
								September <sup>2</sup> .....	1.78	1.73	134.3	1.89	1.83	1.62	1.58

<sup>1</sup> Overtime is defined as work in excess of 40 hours per week and paid for at time and one-half. The computation of average hourly earnings excluding overtime makes no allowance for special rates of pay for work done on holidays.

<sup>2</sup> 11-month average; August 1945 excluded because of VJ-holiday period.

<sup>3</sup> Preliminary.

See NOTE on p. 1337.



TABLE C-5. Hours and gross earnings of production workers in manufacturing industries for selected States and areas <sup>1</sup>

Year and month	Alabama										Arizona					Arkansas				
	State			Birmingham			Mobile			State			Phoenix			State				
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings		
1951: Average	\$50.93	40.1	\$1.27	\$60.35	40.5	\$1.49	\$54.95	40.7	\$1.35	\$66.81	43.1	\$1.55	\$65.26	42.1	\$1.55	\$44.19	40.5	\$1.09		
1952: Average	52.53	40.1	1.31	63.18	40.5	1.56	60.20	40.4	1.49			1.55	71.40	42.0	1.70	47.20	41.4	1.14		
1952: September	54.95	40.7	1.35	66.99	40.6	1.65	61.71	40.6	1.52	\$80.48	43.5	1.85	75.65	42.5	1.78	48.88	42.5	1.15		
October	54.81	40.9	1.34	67.73	41.3	1.64	62.31	40.2	1.55	79.67	43.3	1.84	73.46	41.5	1.77	49.07	42.3	1.16		
November	55.35	41.0	1.35	66.17	40.1	1.65	59.09	39.6	1.49	78.12	43.4	1.80	73.22	41.6	1.76	48.38	41.0	1.18		
December	56.44	41.2	1.37	68.64	41.1	1.67	63.55	41.0	1.55	79.74	44.3	1.80	76.46	43.2	1.77	49.26	42.1	1.17		
1953: January	55.48	40.2	1.38	68.45	40.5	1.69	59.95	39.7	1.51	78.55	43.4	1.81	76.01	42.7	1.78	48.31	40.6	1.19		
February	54.92	39.8	1.38	67.37	40.1	1.68	59.43	39.1	1.52	77.46	42.1	1.84	74.57	41.2	1.81	48.55	40.8	1.19		
March	55.35	40.4	1.37	68.45	40.5	1.69	59.04	39.1	1.51	78.86	42.4	1.86	76.31	41.7	1.83	49.20	41.0	1.20		
April	55.61	40.3	1.38	68.28	40.4	1.69	62.02	39.5	1.57	80.14	42.4	1.89	77.28	42.0	1.84	49.80	41.5	1.20		
May	55.34	40.1	1.38	67.32	39.6	1.70	63.18	40.5	1.56	76.96	41.6	1.85	73.67	40.7	1.81	48.52	40.1	1.21		
June	55.20	40.0	1.38	68.06	39.8	1.71	63.36	40.1	1.58	79.29	42.4	1.87	75.71	41.6	1.82	49.32	41.1	1.21		
July	55.32	39.8	1.39	70.80	40.0	1.77	66.26	40.9	1.62	78.81	41.7	1.89	76.82	41.3	1.86	50.09	41.4	1.21		
August	55.48	40.2	1.38	70.12	40.3	1.74	65.53	40.7	1.61	79.46	41.6	1.91	77.76	40.5	1.92	49.53	40.6	1.22		
September	55.16	39.4	1.40	70.62	39.9	1.77	66.66	40.4	1.65	81.06	42.0	1.93	80.36	41.0	1.96	49.73	41.1	1.21		
Arkansas—Con.										California										
Little Rock-North Little Rock			State			Fresno			Los Angeles			Sacramento			San Diego					
1951: Average	\$45.25	41.9	\$1.08	\$71.79	40.5	\$1.77	\$61.08	37.1	\$1.65	\$71.22	40.9	\$1.74	\$72.03	41.1	\$1.75	\$70.39	40.9	\$1.72		
1952: Average	45.81	40.9	1.12	75.85	40.6	1.87	64.27	37.6	1.71	76.20	41.3	1.84	73.06	39.8	1.83	69.92	38.5	1.82		
1952: September	46.93	41.9	1.12	77.90	41.3	1.88	66.65	38.5	1.73	77.84	41.7	1.86	80.80	47.5	1.89	72.99	39.3	1.86		
October	47.01	41.1	1.13	77.81	41.2	1.89	69.59	40.0	1.74	77.35	41.4	1.87	81.93	44.4	1.84	71.98	38.8	1.96		
November	46.44	41.1	1.13	77.05	40.4	1.91	66.84	38.1	1.75	77.70	41.3	1.88	71.07	37.6	1.89	70.97	38.3	1.85		
December	47.15	41.0	1.15	78.07	40.7	1.92	68.01	38.5	1.77	79.18	41.8	1.90	76.08	39.7	1.92	72.80	39.0	1.87		
1953: January	46.69	40.6	1.15	77.51	40.1	1.93	68.63	37.4	1.78	78.78	41.2	1.91	71.63	37.7	1.90	72.64	38.6	1.88		
February	47.50	41.3	1.15	77.61	40.1	1.94	68.12	37.6	1.81	78.01	40.8	1.91	71.66	37.4	1.91	73.20	38.6	1.90		
March	47.10	40.6	1.16	78.30	40.2	1.95	69.85	38.4	1.82	78.60	40.8	1.92	73.15	38.0	1.93	74.42	39.0	1.91		
April	47.62	40.7	1.17	78.47	40.2	1.95	67.04	36.9	1.82	79.31	41.1	1.93	65.69	34.8	1.89	74.30	38.7	1.92		
May	47.20	40.0	1.18	78.57	40.0	1.96	67.46	37.4	1.80	78.61	40.6	1.93	70.34	37.4	1.88	74.38	38.6	1.93		
June	49.15	41.3	1.19	79.05	40.0	1.98	67.89	37.5	1.81	78.88	40.5	1.95	71.05	37.8	1.88	74.71	38.7	1.93		
July	49.14	42.0	1.17	78.60	40.0	1.97	66.26	36.7	1.81	79.08	40.6	1.95	76.33	39.7	1.92	76.14	39.3	1.94		
August	48.55	40.8	1.19	79.62	40.6	1.96	69.00	38.8	1.78	79.75	40.9	1.95	74.09	40.2	1.84	76.93	39.6	1.94		
September	47.91	40.6	1.18	78.83	39.9	1.98	66.90	37.5	1.79	78.78	40.2	1.96	88.16	44.7	1.97	73.72	37.8	1.95		
California—Continued										Colorado										
San Francisco-Oakland			San Jose			Stockton			State			Denver			State					
1951: Average	\$73.11	39.5	\$1.85	\$69.30	41.4	\$1.67	\$68.75	40.6	\$1.69	\$64.02	41.3	\$1.55	\$63.08	41.5	\$1.52	\$67.20	42.6	\$1.58		
1952: Average	77.27	39.6	1.95	72.00	43.8	1.76	71.30	39.3	1.81	67.16	41.2	1.63	67.07	41.4	1.62	70.28	42.0	1.67		
1952: September	79.70	40.3	1.97	71.95	42.6	1.79	73.15	41.7	1.76	65.77	41.1	1.62	68.62	42.1	1.63	71.14	42.0	1.69		
October	79.14	40.3	1.96	70.39	40.6	1.73	75.03	42.3	1.77	67.82	41.1	1.67	71.05	42.8	1.66	72.40	42.5	1.70		
November	78.12	39.2	1.99	71.63	38.8	1.83	72.29	38.1	1.90	71.15	42.1	1.69	73.01	43.2	1.69	75.63	42.8	1.72		
December	79.27	39.5	2.01	73.57	39.5	1.86	75.13	39.7	1.89	71.32	42.2	1.69	71.96	42.3	1.68	74.99	43.3	1.73		
1953: January	78.12	38.8	2.01	75.98	39.8	1.91	74.41	39.4	1.89	68.91	40.3	1.71	68.95	40.8	1.69	74.32	42.9	1.73		
February	78.03	39.2	2.02	75.85	39.2	1.94	75.66	39.5	1.91	69.43	40.6	1.71	69.29	41.0	1.69	74.45	42.8	1.74		
March	80.03	39.4	2.03	77.93	40.2	1.94	77.00	39.9	1.93	70.69	41.1	1.72	70.79	41.1	1.71	73.00	42.8	1.75		
April	79.70	39.3	2.03	73.96	38.1	1.94	73.88	38.9	1.90	71.28	41.2	1.73	71.38	41.5	1.72	74.55	42.6	1.75		
May	80.43	39.5	2.03	78.24	39.9	1.96	74.85	39.1	1.92	71.28	41.2	1.73	71.52	41.9	1.72	74.98	42.6	1.76		
June	80.66	39.3	2.05	79.90	40.0	2.00	72.67	38.0	1.91	72.83	42.1	1.73	72.14	41.7	1.73	74.80	42.5	1.76		
July	79.56	38.8	2.05	71.57	39.5	1.81	72.02	40.0	1.80	72.45	41.4	1.75	71.80	41.5	1.73	73.57	41.8	1.76		
August	81.11	39.7	2.04	74.01	41.4	1.79	74.70	40.9	1.83	72.56	41.7	1.74	71.97	41.6	1.73	74.52	42.1	1.77		
September	80.39	39.1	2.06	76.40	42.5	1.80	71.15	38.8	1.83	70.75	40.2	1.76	72.28	41.3	1.75	74.23	41.7	1.78		
Connecticut—Continued										Connecticut—Continued										
Bridgeport			Hartford			New Britain			New Haven			Stamford			Waterbury					
1951: Average	\$68.48	42.1	\$1.63	\$75.60	45.1	\$1.68	\$68.67	43.9	\$1.56	\$60.27	41.0	\$1.47	\$70.41	42.0	\$1.68	\$66.11	42.3	\$1.56		
1952: Average	72.58	42.2	1.72	77.28	43.7	1.77	69.53	42.2	1.65	65.00	41.4	1.57	74.64	41.9	1.78	68.75	41.8	1.65		
1952: September	73.95	42.5	1.74	75.28	42.2	1.79	69.06	41.7	1.66	66.88	41.8	1.60	77.01	42.6	1.81	71.23	42.5	1.68		
October	74.73	42.7	1.75	77.42	43.2	1.79	69.88	42.0	1.67	68.04	42.0	1.62	78.54	42.8	1.84	72.51	43.1	1.68		
November	75.76	42.8	1.77	80.55	44.4	1.81	71.91	42.7	1.68	69.70	42.5	1.64	77.36	42.4	1.82	74.02	43.1	1.71		
December	77.25	43.4	1.78	81.62	44.7	1.82	71.72	42.5	1.69	70.19	42.8	1.64	78.12	42.5	1.84	74.09	43.4	1.71		
1953: January	75.83	42.6	1.78	79.75	43.9	1.82	73.06	43.1	1.70	68.39	41.7	1.64	77.18	42.2	1.83	73.89	42.8	1.73		
February	75.96	42.2	1.80	79.75	43.9	1.82	72.64	42.6	1.70	69.89	42.1	1.66	78.60	41.9	1.87	75.52	43.2	1.75		
March	76.93	42.5	1.81	80.63	44.3	1.82	74.04	42.8	1.73	70.22	42.3	1.66	79.71	42.4	1.88	76.04	43.3	1.76		
April	76.44	42.0	1.82	80.44	44.2	1.82	73.53	42.5	1.73	70.14	42.0	1.67	79.76	42.2	1.89	76.64	43.3	1.77		
May	75.66	41.8	1.81	79.72	43.8	1.82	74.04	42.8	1.73	70.47	42.2	1.67	79.80	42.0	1.90	79.12	44.2	1.79		
June	74.93	41.4	1.81	79.35	43.6	1.82	74.12	42.6	1.74	71.32	42.2	1.69	78.58	41.8	1.88	79.30	44.3	1.79		
July	73.67	40.7	1.81	80.34	43.9	1.83	73.01	42.2	1.73	68.88	41.0	1.68	76.19	40.1	1.90	78.04	43.6	1.79		
August	74.62	41.0	1.82	79.61	43.5	1.83	73.78	42.4	1.74	71.49	42.3	1.69	84.00	43.3	1.94	76.79	43.1	1.77		
September	74.89	40.7	1.84	81.47	43.8	1.86	72.92	41.2	1.77	70.38	41.4	1.70	82.88	42.5	1.95	75.26	42.8	1.77		

TABLE C-5: Hours and gross earnings of production workers in manufacturing industries for selected States and areas<sup>1</sup>—Continued

Year and month	Delaware						Florida						Georgia					
	State			Wilmington			State			Tampa-St Petersburg			State			Atlanta		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$63.50	41.5	\$1.53	\$72.89	41.3	\$1.77	\$49.86	42.5	\$1.17	\$47.34	41.0	\$1.16	\$46.25	39.9	\$1.16	\$53.22	40.6	\$1.31
1952: Average.....	66.46	41.0	1.62	76.85	40.9	1.88	53.43	42.8	1.25	51.68	41.8	1.24	47.88	39.9	1.20	57.94	40.8	1.42
1952: September.....	66.82	42.4	1.58	78.29	41.4	1.89	54.14	42.2	1.28	51.88	41.5	1.25	49.25	40.7	1.21	59.86	41.0	1.46
October.....	66.26	40.9	1.62	78.34	40.8	1.92	53.72	42.1	1.28	52.17	41.8	1.25	49.41	40.5	1.22	59.86	41.0	1.46
November.....	68.30	40.9	1.67	79.68	41.2	1.93	55.53	43.3	1.28	54.44	42.9	1.27	50.02	41.0	1.22	60.71	41.3	1.47
December.....	70.50	41.4	1.71	83.32	42.4	1.97	55.80	43.4	1.29	54.21	42.5	1.28	50.55	41.1	1.23	61.83	41.5	1.49
1953: January.....	72.10	41.7	1.73	83.16	42.3	1.96	55.63	43.4	1.28	55.33	42.7	1.30	49.97	40.8	1.24	60.24	40.7	1.48
February.....	69.67	40.6	1.72	81.11	41.3	1.97	55.72	43.3	1.29	55.39	43.4	1.28	50.50	40.4	1.25	63.34	41.4	1.53
March.....	69.65	40.8	1.71	81.10	41.4	1.96	55.50	43.1	1.29	53.15	41.6	1.28	50.75	40.6	1.25	62.78	41.3	1.52
April.....	70.90	41.1	1.73	84.08	42.0	2.00	55.13	42.4	1.30	53.75	42.0	1.28	50.75	40.6	1.25	63.91	41.5	1.54
May.....	69.33	41.0	1.69	81.62	41.2	1.98	54.87	42.1	1.30	53.90	41.5	1.30	50.38	40.3	1.25	62.83	40.8	1.54
June.....	70.41	41.2	1.71	85.33	42.2	2.02	54.86	41.9	1.31	53.21	41.1	1.30	50.90	40.4	1.26	64.53	41.1	1.57
July.....	69.69	40.4	1.73	85.52	41.9	2.04	55.08	41.4	1.33	53.81	41.3	1.30	50.27	39.9	1.26	63.40	40.9	1.55
August.....	67.17	40.2	1.67	80.14	40.7	1.97	54.74	41.2	1.33	52.68	40.4	1.30	50.80	40.0	1.27	64.68	41.2	1.57
September.....	69.76	41.4	1.69	79.70	40.4	1.98	55.15	41.2	1.34	52.61	40.2	1.31	49.54	38.7	1.28	63.20	40.0	1.58
Georgia—Continued																		
Savannah						Idaho						Illinois						
State			State			State			Davenport-Rock Island-Moline			Peoria			Rockford			
1951: Average.....	\$55.50	41.8	\$1.33	\$69.60	40.7	\$1.71	\$68.72	41.4	\$1.66	\$73.05	40.5	\$1.80	\$71.38	41.9	\$1.71	\$75.57	45.5	\$1.66
1952: Average.....	60.21	42.7	1.41	75.03	41.0	1.83	72.18	41.2	1.75	75.86	40.5	1.87	71.67	39.8	1.80	78.97	44.7	1.77
1952: September.....	59.78	42.1	1.42	75.66	41.8	1.81	73.08	41.5	1.76	71.83	40.1	1.79	71.28	39.5	1.80	78.49	44.1	1.78
October.....	61.34	42.6	1.44	72.68	39.5	1.84	74.59	41.9	1.78	75.92	41.4	1.83	73.22	40.3	1.82	82.00	45.3	1.81
November.....	62.06	43.1	1.44	76.86	41.1	1.87	75.02	41.7	1.80	76.54	40.8	1.87	71.68	39.5	1.81	82.85	45.4	1.82
December.....	62.64	43.5	1.44	76.96	41.6	1.85	76.81	42.3	1.82	80.98	42.3	1.91	74.57	39.9	1.87	84.74	46.0	1.84
1953: January.....	59.90	41.8	1.44	75.92	40.6	1.79	75.91	41.0	1.82	.....	.....	.....	.....	.....	.....	.....	.....	
February.....	61.15	41.6	1.47	72.67	40.6	1.79	76.36	41.6	1.84	.....	.....	.....	.....	.....	.....	.....	.....	
March.....	63.49	42.9	1.48	70.98	40.1	1.77	77.04	41.8	1.84	.....	.....	.....	.....	.....	.....	.....	.....	
April.....	62.16	42.0	1.48	72.67	40.6	1.79	76.48	41.3	1.85	.....	.....	.....	.....	.....	.....	.....	.....	
May.....	62.75	42.4	1.48	78.72	41.0	1.92	76.02	41.1	1.85	.....	.....	.....	.....	.....	.....	.....	.....	
June.....	63.60	42.4	1.50	78.88	41.3	1.91	76.14	41.1	1.85	.....	.....	.....	.....	.....	.....	.....	.....	
July.....	65.48	42.8	1.53	78.81	41.7	1.92	75.52	40.7	1.86	.....	.....	.....	.....	.....	.....	.....	.....	
August.....	64.41	42.1	1.53	80.56	41.1	1.96	76.21	41.2	1.85	.....	.....	.....	.....	.....	.....	.....	.....	
September.....	63.55	41.0	1.55	76.03	39.6	1.92	76.56	40.8	1.88	.....	.....	.....	.....	.....	.....	.....	.....	
Indiana																		
State						Iowa						Kansas						
State			State			Des Moines			State			Topeka			Wichita			
1951: Average.....	\$70.08	41.1	\$1.71	\$64.81	41.8	\$1.55	\$66.39	40.0	\$1.66	\$67.84	43.1	\$1.58	\$60.26	41.6	\$1.45	\$75.44	44.9	\$1.68
1952: Average.....	72.64	40.8	1.78	67.08	41.5	1.62	69.86	40.3	1.73	71.42	42.6	1.68	65.55	42.2	1.56	76.73	43.7	1.76
1952: September.....	74.51	41.2	1.81	67.38	41.8	1.61	73.42	41.3	1.78	73.31	42.9	1.71	64.91	41.9	1.55	77.90	43.6	1.77
October.....	75.77	41.5	1.82	68.69	42.1	1.63	74.37	41.9	1.78	73.68	42.7	1.72	65.55	41.8	1.57	79.34	43.9	1.81
November.....	76.57	41.3	1.86	69.35	42.4	1.64	71.62	40.4	1.78	74.70	43.0	1.74	65.97	41.7	1.58	80.81	44.5	1.82
December.....	77.66	41.7	1.86	71.51	43.1	1.66	75.62	42.3	1.79	76.88	43.7	1.76	73.69	44.4	1.66	82.19	44.7	1.84
1953: January.....	77.25	41.5	1.86	70.44	42.0	1.68	74.77	41.0	1.82	75.80	42.6	1.78	68.90	41.8	1.64	80.17	43.5	1.84
February.....	77.54	41.4	1.87	69.06	41.1	1.68	72.96	40.3	1.81	74.22	42.3	1.76	66.28	42.0	1.58	79.71	43.4	1.84
March.....	77.92	41.6	1.88	69.09	41.1	1.68	73.48	40.4	1.82	74.54	42.1	1.77	70.99	43.6	1.63	77.86	42.2	1.84
April.....	77.46	41.2	1.88	67.39	40.3	1.67	72.24	39.9	1.81	74.91	41.8	1.79	67.18	40.6	1.66	78.35	42.0	1.87
May.....	76.93	40.8	1.88	68.61	40.8	1.68	73.80	40.2	1.83	73.11	41.2	1.77	58.81	38.2	1.54	77.17	41.4	1.87
June.....	77.15	41.0	1.88	68.50	40.8	1.68	74.77	40.6	1.84	73.37	41.0	1.78	62.42	40.6	1.54	74.26	40.4	1.84
July.....	77.21	40.1	1.92	66.30	39.6	1.67	70.32	37.9	1.86	73.78	41.3	1.79	63.40	40.3	1.58	73.51	39.8	1.84
August.....	76.94	40.4	1.90	67.30	40.5	1.66	76.17	40.5	1.88	74.75	41.3	1.81	66.97	41.5	1.61	74.43	39.9	1.86
September.....	77.07	40.5	1.90	69.10	40.4	1.71	76.66	40.4	1.90	72.72	40.4	1.80	65.57	39.9	1.64	73.59	39.3	1.87
Kentucky																		
State						Louisiana						Maine						
State			State			Baton Rouge			New Orleans			State			Portland			
1951: Average.....	\$62.73	42.1	\$1.49	\$55.21	41.2	\$1.34	\$84.46	41.4	\$2.04	\$56.82	40.3	1.41	\$55.17	40.8	1.35	\$56.96	41.9	1.36
1952: Average.....	63.18	42.4	1.49	60.62	42.0	1.44	88.20	42.2	2.09	58.75	40.8	1.44	55.45	41.1	1.35	57.99	42.5	1.36
1952: September.....	65.14	43.4	1.50	60.35	42.8	1.41	86.73	41.3	2.10	59.20	41.4	1.43	56.47	41.2	1.37	59.13	42.7	1.39
October.....	66.53	43.2	1.54	60.33	43.4	1.39	85.90	41.3	2.08	59.57	40.8	1.46	55.25	40.0	1.38	58.16	42.2	1.38
November.....	67.36	43.6	1.55	61.20	42.8	1.43	85.44	40.3	2.12	58.87	40.6	1.45	57.72	41.3	1.39	59.93	42.5	1.41
December.....	65.67	42.7	1.54	61.72	41.7	1.48	90.74	42.8	2.12	59.90	40.2	1.49	58.32	42.0	1.39	59.39	41.9	1.42
1953: January.....	66.55	42.3	1.57	61.98	41.6	1.49	85.88	40.7	2.11	60.19	39.6	1.52	58.34	41.6	1.40	60.29	42.1	1.43
February.....	67.87	42.6	1.60	63.00	42.0	1.50	86.10	41.0	2.10	60.75	40.5	1.50	57.96	41.6	1.39	60.15	42.1	1.43
March.....	67.69	42.4	1.60	64.30	42.3	1.52	86.53	41.4	2.09	63.76	41.4	1.54	56.88	40.5	1.40	58.82	41.5	1.42
April.....	68.10	42.1	1.62	64.02	41.3	1.55	88.20	41.8	2.11	62.06	40.3	1.54	56.57	40.7	1.39	59.49	42.0	1.42
May.....	67.98	41.5	1.64	63.19	41.3	1.53	89.46	42.2	2.12	61.45	39.9	1.54	56.79	40.9	1.39	58.27	41.5	1.40
June.....	68.01	41.4	1.61	64.58	41.4	1.56	92.45	42.2	2.14	61.85	39.9	1.55	56.60	40.3	1.41	60.62	42.5	1.43
July.....	70.00	42.5	1.65	64.02	41.3	1.55	89.02	41.6	2.14	63.83	40.4	1.58	56.31	40.3	1.40	60.38	42.2	1.43
August.....	70.14	41.8	1.68	64.78	41.0	1.58	93.66	42.0	2.23	63.04	39.9	1.58	56.32	40.1	1.41	61.08	42.0	1.43
September.....	70.14	41.8	1.68	64.78	41.0	1.58	93.66	42.0	2.23	63.04	39.9	1.58	56.32	40.1	1.41	61.08	42.0	1.43

TABLE C-5. Hours and gross earnings of production workers in manufacturing industries for selected States and areas<sup>1</sup>—Continued

Year and month	Maryland										Massachusetts																			
	State					Baltimore					State					Boston					Fall River					New Bedford				
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings			
1951: Average.....	\$60.84	40.9	\$1.49	\$64.35	41.2	\$1.56	\$60.75	40.5	\$1.50	\$62.37	40.7	\$1.53	\$46.34	37.0	\$1.25	\$52.43	38.9	\$1.35	\$53.52	38.5	\$1.39	\$53.52	38.5	\$1.39	\$53.52	38.5	\$1.39	\$53.52		
1952: Average.....	63.84	40.5	1.58	67.22	40.7	1.65	63.13	40.4	1.57	65.04	40.4	1.61	49.63	37.6	1.32	55.18	39.7	1.42	55.18	39.7	1.42	55.18	39.7	1.42	55.18	39.7	1.42	55.18		
1952: September.....	63.90	41.3	1.55	69.14	41.6	1.66	64.62	40.9	1.58	66.67	40.9	1.63	52.27	39.6	1.32	55.18	39.6	1.42	55.18	39.6	1.42	55.18	39.6	1.42	55.18	39.6	1.42	55.18		
October.....	61.78	41.3	1.57	68.90	41.2	1.67	61.87	40.8	1.59	66.02	40.5	1.63	51.99	38.8	1.34	56.23	39.6	1.42	56.23	39.6	1.42	56.23	39.6	1.42	56.23	39.6	1.42	56.23		
November.....	65.46	41.1	1.59	69.56	41.3	1.69	64.96	40.6	1.60	66.66	40.4	1.65	50.65	37.8	1.34	56.23	39.6	1.43	56.23	39.6	1.43	56.23	39.6	1.43	56.23	39.6	1.43	56.23		
December.....	66.97	41.6	1.61	71.00	41.9	1.70	66.98	41.6	1.61	68.72	41.4	1.66	53.47	39.9	1.34	56.23	39.6	1.43	56.23	39.6	1.43	56.23	39.6	1.43	56.23	39.6	1.43	56.23		
1953: January.....	66.59	41.0	1.62	70.50	41.2	1.71	66.74	41.2	1.62	67.98	41.2	1.65	54.40	40.0	1.36	56.14	40.1	1.40	56.14	40.1	1.40	56.14	40.1	1.40	56.14	40.1	1.40	56.14		
February.....	66.71	40.7	1.64	70.38	40.9	1.72	66.83	41.0	1.63	67.80	40.6	1.67	53.86	39.6	1.36	56.00	40.0	1.40	56.00	40.0	1.40	56.00	40.0	1.40	56.00	40.0	1.40	56.00		
March.....	67.68	41.0	1.65	71.34	41.2	1.73	67.16	41.2	1.63	67.97	40.7	1.67	54.54	40.1	1.36	55.52	39.8	1.39	55.52	39.8	1.39	55.52	39.8	1.39	55.52	39.8	1.39	55.52		
April.....	67.45	40.8	1.65	71.20	40.9	1.74	66.34	40.7	1.63	67.54	40.4	1.68	52.92	39.2	1.35	55.58	39.6	1.38	55.58	39.6	1.38	55.58	39.6	1.38	55.58	39.6	1.38	55.58		
May.....	67.35	41.0	1.64	71.28	41.1	1.73	66.91	40.8	1.64	67.87	40.4	1.68	52.92	39.2	1.35	55.58	39.7	1.40	55.58	39.7	1.40	55.58	39.7	1.40	55.58	39.7	1.40	55.58		
June.....	67.57	41.1	1.64	72.02	41.3	1.75	67.16	40.7	1.65	68.11	40.3	1.69	54.12	39.5	1.37	57.23	40.3	1.42	57.23	40.3	1.42	57.23	40.3	1.42	57.23	40.3	1.42	57.23		
July.....	67.24	40.4	1.66	72.70	40.9	1.78	66.90	40.3	1.66	67.89	39.7	1.71	52.33	38.2	1.37	56.52	39.8	1.42	56.52	39.8	1.42	56.52	39.8	1.42	56.52	39.8	1.42	56.52		
August.....	66.13	40.3	1.64	72.03	40.8	1.77	66.66	40.4	1.65	69.08	40.4	1.71	52.22	38.4	1.36	56.66	39.9	1.42	56.66	39.9	1.42	56.66	39.9	1.42	56.66	39.9	1.42	56.66		
September.....	66.51	40.1	1.66	71.71	40.3	1.78	66.07	39.8	1.66	68.28	39.7	1.72	53.27	38.6	1.38	55.77	39.0	1.43	55.77	39.0	1.43	55.77	39.0	1.43	55.77	39.0	1.43	55.77		

Massachusetts—Continued										Michigan																			
Springfield-Holyoke					Worcester					State					Detroit					Flint					Grand Rapids				
Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$64.74	41.5	\$1.56	\$67.72	41.1	\$1.65	\$74.55	40.1	\$1.86	\$76.32	39.4	\$1.94	\$76.08	40.0	\$1.90	\$70.64	41.6	\$1.70	\$70.64	41.6	\$1.70	\$70.64	41.6	\$1.70	\$70.64	41.6	\$1.70	\$70.64	
1952: Average.....	69.39	41.8	1.66	68.21	40.6	1.68	81.31	41.0	1.98	81.36	40.5	2.08	85.00	41.3	2.06	74.64	41.7	1.79	74.64	41.7	1.79	74.64	41.7	1.79	74.64	41.7	1.79	74.64	
1952: September.....	70.14	42.0	1.67	68.78	40.7	1.69	85.72	42.1	2.04	89.92	41.9	2.15	96.01	44.8	2.16	76.85	42.2	1.82	76.85	42.2	1.82	76.85	42.2	1.82	76.85	42.2	1.82	76.85	
October.....	70.31	42.1	1.67	69.29	41.0	1.69	87.51	42.6	2.06	92.40	42.6	2.17	97.07	45.0	2.16	79.02	42.9	1.84	79.02	42.9	1.84	79.02	42.9	1.84	79.02	42.9	1.84	79.02	
November.....	70.30	41.6	1.69	69.36	40.8	1.70	86.55	42.2	2.05	90.69	42.2	2.15	97.91	45.4	2.17	76.62	41.8	1.83	76.62	41.8	1.83	76.62	41.8	1.83	76.62	41.8	1.83	76.62	
December.....	72.08	42.4	1.70	71.72	41.7	1.72	89.63	43.3	2.07	94.35	43.6	2.16	98.17	44.4	2.17	81.58	42.8	1.86	81.58	42.8	1.86	81.58	42.8	1.86	81.58	42.8	1.86	81.58	
1953: January.....	70.47	41.7	1.70	71.80	41.5	1.73	86.31	42.1	2.05	88.31	41.4	2.13	98.44	46.0	2.14	79.69	42.8	1.86	79.69	42.8	1.86	79.69	42.8	1.86	79.69	42.8	1.86	79.69	
February.....	70.97	41.5	1.71	71.10	41.1	1.73	86.44	42.0	2.06	88.31	41.4	2.13	101.95	46.7	2.18	77.23	41.5	1.86	77.23	41.5	1.86	77.23	41.5	1.86	77.23	41.5	1.86	77.23	
March.....	70.55	41.5	1.70	72.14	41.7	1.73	87.14	42.3	2.06	88.99	41.7	2.13	99.50	46.0	2.16	79.54	42.4	1.88	79.54	42.4	1.88	79.54	42.4	1.88	79.54	42.4	1.88	79.54	
April.....	71.04	41.3	1.72	71.69	41.2	1.74	87.02	42.1	2.07	88.56	41.5	2.13	100.84	46.9	2.22	80.61	42.6	1.89	80.61	42.6	1.89	80.61	42.6	1.89	80.61	42.6	1.89	80.61	
May.....	71.01	41.3	1.72	72.04	41.4	1.74	86.33	41.9	2.06	87.80	41.2	2.13	101.53	44.2	2.30	81.77	42.7	1.92	81.77	42.7	1.92	81.77	42.7	1.92	81.77	42.7	1.92	81.77	
June.....	71.62	41.4	1.73	71.75	41.0	1.75	87.28	41.6	2.10	88.96	40.9	2.18	101.53	44.2	2.30	81.77	42.7	1.92	81.77	42.7	1.92	81.77	42.7	1.92	81.77	42.7	1.92	81.77	
July.....	71.10	41.1	1.73	72.57	41.0	1.77	85.81	40.8	2.10	87.16	40.0	2.18	105.82	45.3	2.34	79.37	41.6	1.92	79.37	41.6	1.92	79.37	41.6	1.92	79.37	41.6	1.92	79.37	
August.....	70.00	40.7	1.72	72.69	41.3	1.76	86.15	41.2	2.09	89.71	41.0	2.19	98.35	44.3	2.22	80.66	42.1	1.92	80.66	42.1	1.92	80.66	42.1	1.92	80.66	42.1	1.92	80.66	
September.....	68.11	39.6	1.72	69.92	39.5	1.77	85.41	40.4	2.11	88.05	40.4	2.22	99.15	44.5	2.23	80.29	41.6	1.93	80.29	41.6	1.93	80.29	41.6	1.93	80.29	41.6	1.93	80.29	

Michigan—Continued										Minnesota																			
Lansing					Muskegon					Saginaw					State					Duluth					Minneapolis				
Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$77.43	40.2	\$1.93	\$75.18	39.4	\$1.91	\$74.68	42.0	\$1.78	\$64.59	41.5	\$1.55	\$66.16	40.1	\$1.65	\$65.82	41.7	\$1.58	\$65.82	41.7	\$1.58	\$65.82	41.7	\$1.58	\$65.82	41.7	\$1.58	\$65.82	
1952: Average.....	81.79	41.2	2.06	82.37	40.2	2.05	78.44	41.7	1.88	69.35	41.7	1.66	68.11	39.5	1.73	70.61	41.7	1.67	70.61	41.7	1.67	70.61	41.7	1.67	70.61	41.7	1.67	70.61	
1952: September.....	84.98	41.3	2.14	78.99	39.3	2.01	89.71	44.9	2.00	69.52	41.8	1.66	67.77	37.7	1.49	71.90	42.2	1.71	71.90	42.2	1.71	71.90	42.2	1.71	71.90	42.2	1.71	71.90	
October.....	80.76	42.5	2.11	81.01	40.0	2.03	86.42	44.4	1.96	72.18	42.1	1.71	69.68	38.7	1.80	71.28	41.8	1.71	71.28	41.8	1.71	71.28	41.8	1.71	71.28	41.8	1.71	71.28	
November.....	80.51	42.3	2.12	80.99	42.8	2.13	79.65	44.0	1.92	71.02	41.6	1.71	68.18	38.6	1.77	71.26	42.4	1.73	71.26	42.4	1.73	71.26	42.4	1.73	71.26	42.4	1.73	71.26	
December.....	98.05	45.3	2.17	89.72	42.5	2.11	81.96	42.3	1.94	71.56	41.3	1.73	70.56	39.1	1.80	72.19	41.6	1.74	72.19	41.6	1.74	72.19	41.6	1.74	72.19	41.6	1.74	72.19	
1953: January.....	98.45	45.2	2.18	80.25	42.4	2.11	81.89	42.3	1.94	71.56	41.3	1.73	70.56	39.1	1.80	72.19	41.6	1.74	72.19	41.6	1.74	72.19	41.6	1.74	72.19	41.6	1.74	72.19	
February.....	95.65	44.1	2.17	87.71	41.7	2.10	87.21	41.0	1.98	71.65	41.3	1.73	70.56	39.1	1.80	72.19	41.6	1.74	72.19	41.6	1.74	72.19	41.6	1.74	72.19	41.6	1.74	72.19	
March.....	96.33	44.7	2.16	85.04	41.2	2.06	92.54	45.7	2.03	71.48	41.2	1.74	66.90	38.1	1.76	72.18	41.3	1.75	72.18	41.3	1.75	72.18	41.3	1.75	72.18	41.3	1.75	72.18	
April.....	94.69	44.0	2.15	83.51	40.6	2.06	91.98	45.4	2.03	71.10</																			

TABLE C-5. Hours and gross earnings of production workers in manufacturing industries for selected States and areas<sup>1</sup>—Continued

Year and month	Montana			Nebraska			Nevada			New Hampshire			New Jersey								
	State			State			State			State			Manchester			State					
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings			
1951: Average	\$72.13	41.2	\$1.75	\$58.84	42.6	\$1.38	\$73.54	41.2	\$1.79	\$54.27	40.5	\$1.34	\$51.84	38.4	\$1.35	\$67.28	41.1	\$1.64			
1952: Average	76.46	41.0	1.86	61.16	41.9	1.46	80.90	41.7	1.94	56.17	40.7	1.38	54.32	38.8	1.40	71.02	41.1	1.73			
1952: September	77.59	41.0	1.89	60.54	41.2	1.47	80.45	41.9	1.92	57.27	41.2	1.39	55.27	39.2	1.41	72.38	41.5	1.74			
October	77.73	41.4	1.88	61.79	41.8	1.48	81.95	41.6	1.97	55.32	39.8	1.39	52.17	37.0	1.41	72.54	41.5	1.75			
November	77.58	40.8	1.90	63.78	42.4	1.51	83.16	42.0	1.98	56.00	40.0	1.40	53.58	38.0	1.41	73.20	41.1	1.77			
December	77.91	40.6	1.92	65.88	43.0	1.53	82.94	42.1	1.97	58.66	41.6	1.41	57.37	40.4	1.42	74.58	41.9	1.78			
1953: January	78.49	40.7	1.93	62.01	40.1	1.55	82.74	42.0	1.97	57.96	41.4	1.40	56.40	40.0	1.41	74.48	41.7	1.79			
February	80.11	41.4	1.94	62.75	41.1	1.53	83.83	41.5	2.02	58.38	41.7	1.40	56.54	40.1	1.41	74.27	41.4	1.79			
March	78.07	41.1	1.90	62.75	41.0	1.53	85.46	42.1	2.03	57.82	41.3	1.40	56.66	39.9	1.42	73.95	41.2	1.79			
April	79.03	41.0	1.93	63.31	41.1	1.54	84.22	41.9	2.01	56.96	40.4	1.41	54.14	38.4	1.41	74.28	41.2	1.80			
May	78.07	40.6	1.92	64.00	41.1	1.56	86.43	43.1	2.01	56.96	40.4	1.41	53.68	37.8	1.42	74.27	41.1	1.81			
June	82.89	42.9	1.93	66.74	41.2	1.54	83.62	41.6	2.01	58.22	41.0	1.42	55.91	39.1	1.43	74.76	41.1	1.82			
July	78.23	40.5	1.93	64.51	41.9	1.54	83.84	41.1	2.04	57.37	40.4	1.42	54.43	38.6	1.41	74.95	40.8	1.84			
August	81.13	41.5	1.95	65.33	41.8	1.56	89.46	42.4	2.11	57.51	40.5	1.42	56.06	39.2	1.43	73.59	40.5	1.82			
September	80.04	41.1	1.95	66.95	42.1	1.59	87.43	40.1	2.18	57.02	39.6	1.44	54.10	38.1	1.42	73.53	40.2	1.83			
New Jersey—Continued																					
New Mexico																					
Newark-Jersey City				Paterson				Perth Amboy				Trenton				State				Albuquerque	
1951: Average	\$69.01	41.6	\$1.66	\$67.94	41.3	\$1.65	\$67.05	41.2	\$1.64	\$65.85	40.7	\$1.62	\$68.02	43.6	\$1.56	\$69.00	45.1	\$1.53			
1952: Average	72.33	41.4	1.75	72.04	41.5	1.74	71.31	41.1	1.73	68.69	40.5	1.70	71.88	43.3	1.66	71.83	43.8	1.64			
1952: September	73.44	41.8	1.76	73.65	41.8	1.76	72.93	41.5	1.75	71.01	41.0	1.73	73.52	43.5	1.69	72.69	44.1	1.64			
October	74.39	42.1	1.77	73.99	41.8	1.77	72.96	41.5	1.76	71.50	41.4	1.73	71.71	43.2	1.66	75.26	44.8	1.68			
November	74.20	41.8	1.78	75.65	42.2	1.79	74.03	41.8	1.77	74.31	41.7	1.78	72.42	42.6	1.70	72.93	44.2	1.65			
December	75.61	42.1	1.80	76.37	42.5	1.80	74.29	41.5	1.79	76.71	42.9	1.79	72.41	43.1	1.68	72.87	43.9	1.66			
1953: January	75.31	41.7	1.81	75.86	42.1	1.80	74.46	41.3	1.80	76.82	42.7	1.80	71.75	41.0	1.75	73.00	43.2	1.69			
February	75.65	41.5	1.82	74.84	41.6	1.80	74.51	41.3	1.80	76.68	42.2	1.82	71.17	40.9	1.74	71.08	43.0	1.66			
March	75.85	41.7	1.82	73.69	41.1	1.79	74.35	41.4	1.80	74.74	41.5	1.80	73.68	42.1	1.75	72.76	42.8	1.70			
April	75.61	41.5	1.82	74.17	41.0	1.81	74.61	41.2	1.81	74.81	41.4	1.81	70.49	39.6	1.78	72.12	42.9	1.71			
May	76.40	41.2	1.83	74.68	41.1	1.82	74.67	41.3	1.81	75.24	41.5	1.81	73.71	41.6	1.82	71.98	40.9	1.76			
June	76.69	41.5	1.85	75.17	41.3	1.82	75.12	41.3	1.82	75.12	41.3	1.82	75.42	41.9	1.80	73.02	42.7	1.71			
July	76.01	40.8	1.86	74.05	40.6	1.82	77.16	41.8	1.85	75.68	41.2	1.84	72.75	41.1	1.77	69.43	40.6	1.71			
August	75.60	40.8	1.85	73.63	40.5	1.82	76.51	41.2	1.86	71.68	40.0	1.79	75.71	41.6	1.82	70.52	41.0	1.72			
September	75.27	40.6	1.85	72.92	40.0	1.82	75.62	40.7	1.86	70.84	39.6	1.79	76.36	41.5	1.84	69.20	40.0	1.73			
New York																					
State				Albany-Schenectady-Troy				Binghamton				Buffalo				Elmira				Nassau and Suffolk Counties	
1951: Average	\$64.90	39.7	\$1.63	\$70.75	41.5	\$1.70	\$61.05	39.2	\$1.56	\$73.76	41.7	\$1.77	\$64.85	40.7	\$1.60	\$75.24	43.8	\$1.72			
1952: Average	67.77	39.8	1.70	72.45	40.9	1.77	64.59	39.1	1.65	77.35	41.4	1.87	68.48	40.7	1.68	82.09	44.9	1.84			
1952: September	68.97	40.2	1.72	73.21	41.1	1.78	65.46	39.4	1.66	78.41	41.5	1.89	67.74	40.2	1.68	81.87	44.1	1.86			
October	69.07	40.2	1.72	74.48	41.4	1.80	67.26	40.3	1.67	80.76	42.2	1.92	70.08	40.7	1.72	83.66	44.7	1.87			
November	69.74	40.4	1.73	73.05	42.0	1.74	67.73	40.6	1.67	82.24	42.6	1.93	70.85	41.0	1.73	85.73	45.2	1.90			
December	70.81	40.7	1.74	74.65	42.3	1.75	68.86	41.0	1.68	82.68	42.7	1.94	72.89	41.7	1.75	88.57	46.2	1.92			
1953: January	70.82	40.3	1.76	73.18	41.0	1.79	67.94	40.3	1.69	81.56	42.0	1.94	72.50	41.3	1.76	86.84	45.2	1.92			
February	71.04	40.2	1.77	74.73	41.3	1.81	67.61	39.9	1.69	82.59	42.2	1.96	71.55	40.8	1.76	87.70	44.7	1.96			
March	71.26	40.2	1.77	76.82	41.1	1.87	67.39	39.8	1.69	83.02	42.2	1.97	73.49	41.4	1.77	84.90	43.2	1.97			
April	70.54	39.9	1.75	77.87	40.8	1.91	67.41	39.7	1.70	83.10	42.0	1.97	71.98	40.5	1.78	79.83	43.5	1.99			
May	70.59	39.8	1.77	76.93	40.4	1.90	67.76	39.9	1.70	82.67	41.8	1.98	71.73	40.8	1.76	83.79	42.4	1.98			
June	71.27	39.9	1.78	78.60	40.9	1.92	68.06	40.0	1.70	84.41	42.1	2.00	71.98	40.8	1.76	83.34	42.2	1.98			
July	71.25	39.5	1.80	76.13	40.0	1.90	67.04	39.4	1.70	85.29	42.1	2.02	68.93	39.3	1.76	82.96	41.8	1.99			
August	71.45	39.7	1.80	77.62	40.3	1.93	65.81	38.8	1.70	84.40	41.8	2.02	70.29	39.8	1.77	82.67	41.9	1.97			
September	70.42	39.0	1.80	77.11	40.0	1.93	65.81	38.6	1.71	81.04	40.1	2.02	71.35	39.7	1.80	84.28	42.2	2.00			
New York—Continued																					
New York City				Rochester				Syracuse				Utica-Rome				Westchester County				State	
1951: Average	\$63.23	37.8	\$1.67	\$69.43	41.5	\$1.68	\$68.86	42.8	\$1.61	\$62.25	40.3	\$1.55	\$63.41	39.7	\$1.60	\$46.00	39.1	\$1.18			
1952: Average	65.49	38.1	1.72	72.61	41.2	1.77	71.16	41.9	1.70	65.54	40.5	1.62	66.25	39.8	1.66	47.67	39.6	1.20			
1952: September	67.09	38.5	1.74	73.54	41.5	1.77	73.73	42.7	1.73	65.05	40.5	1.61	69.50	40.8	1.70	49.07	40.7	1.23			
October	65.88	38.3	1.72	74.14	41.6	1.78	73.68	42.4	1.74	66.55	40.7	1.64	69.85	40.8	1.71	49.78	41.2	1.21			
November	66.50	38.6	1.72	75.35	41.9	1.80	73.92	42.3	1.75	68.72	41.5	1.66	67.75	39.9	1.70	49.67	40.9	1.21			
December	67.73	38.9	1.74	76.09	42.2	1.80	75.29	42.7	1.76	69.43	41.7	1.67	67.41	40.0	1.68	50.39	41.1	1.22			
1953: January	67.83	38.4	1.77	75.86	41.9	1.81	76.52	42.8	1.79	68.97	41.4	1.66	68.78	40.2	1.71	49.11	40.1	1.23			
February	68.07	38.4	1.77	74.67	41.3	1.81	76.40	42.4	1.80	68.66	41.3	1.66	69.85	40.5	1.73	49.08	39.9	1.23			
March	68.07	38.5	1.77	76.14	41.9	1.82	77.44	42.6	1.82	68.92	41.2	1.67	71.11	40.9	1.74	49.32	40.1	1.23			
April	66.84	38.2	1.75	76.61	41.9	1.83	77.87	42.7	1.82	69.29	41.1	1.68	69.83	40.2	1.74	48.22	39.2	1.23			
May	66.54	38.0	1.75	77.87	41.8	1.84	77.09	42.4	1.82	69.10	40.8	1.69	69.92	40.1	1.74	48.19	39.5	1.23			
June	66.74	38.0	1.76	77.58	41.8	1.86	77.44	42.3	1.83	69.38	40.9	1.70	72.83	40.7	1.79	48.19	39.5	1.22			
July	67.29	37.5	1.79	76.49	41.4	1.85	76.25	41.7	1.83	68.50	40.5	1.69	69.31	39.2	1.77	48.34	39.3	1.23			
August	67.76	37.7	1.80	76.78	41.6	1.85	76.82	41.8	1.84	68.98	40.6	1.70	70.92	40.0	1.77	48.45	39.4	1.23			
September	65.91	36.7	1.80	77.90	42.1	1.85	76.75	41.0	1.83	69.74	40.8	1.71	69.59	39.3	1.77	47.11	38.3	1.23			



TABLE C-5. Hours and gross earnings of production workers in manufacturing industries for selected States and areas!—Continued

Year and month	North Carolina—Continued			North Dakota						Ohio			Oklahoma					
	Charlotte			State			Fargo			State			State			Oklahoma City		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$49.48	40.1	\$1.24	\$59.72	44.9	\$1.33	\$61.08	43.7	\$1.40				\$62.60	42.3	\$1.48	\$60.48	43.2	\$1.40
1952: Average	51.01	40.3	1.27	64.04	45.1	1.42	67.78	44.3	1.53	\$75.14	41.1	\$1.83	65.08	42.1	1.56	63.36	43.4	1.46
1952: September	53.47	41.8	1.28	65.70	45.5	1.44	71.52	43.9	1.63	77.28	41.5	1.86	67.04	41.9	1.60	64.38	43.5	1.48
October	51.83	41.1	1.26	66.34	46.4	1.43	73.45	46.6	1.58	78.26	41.7	1.88	68.26	42.4	1.61	63.66	43.6	1.46
November	52.03	41.0	1.27	68.83	46.7	1.47	75.52	47.2	1.60	78.46	41.6	1.89	68.48	42.8	1.60	64.09	43.9	1.46
December	52.06	40.9	1.27	65.25	44.9	1.45	68.66	44.2	1.55	80.03	42.2	1.90	70.09	43.0	1.63	65.42	44.5	1.47
1953: January	50.82	40.2	1.27	63.66	43.7	1.44	64.85	42.6	1.52	79.76	41.7	1.91	68.15	41.3	1.65	63.75	42.5	1.50
February	51.18	40.3	1.27	61.53	42.7	1.44	64.16	42.0	1.53	79.41	41.4	1.92	69.64	41.7	1.67	64.14	42.2	1.52
March	52.35	40.9	1.28	61.28	42.7	1.44	62.37	41.5	1.50	80.49	41.8	1.93	70.22	41.8	1.68	66.07	42.9	1.49
April	51.44	40.5	1.27	63.64	43.3	1.47	63.72	41.2	1.55	79.76	41.4	1.93	69.63	41.2	1.69	65.91	42.8	1.54
May	51.73	40.1	1.29	64.98	44.2	1.47	66.44	41.8	1.59	79.72	41.2	1.93	69.72	41.5	1.68	68.02	43.6	1.56
June	51.84	40.5	1.28	66.87	45.7	1.46	67.90	43.5	1.56	80.21	41.2	1.95	68.56	41.3	1.66	67.39	43.2	1.56
July	51.58	40.3	1.28	69.00	46.4	1.49	70.45	43.3	1.63	80.41	41.1	1.96	70.30	41.6	1.69	66.94	42.1	1.59
August	51.71	40.4	1.28	68.75	46.7	1.47	67.65	43.0	1.57	79.88	40.9	1.95	69.94	40.9	1.71	66.72	41.7	1.60
September	49.76	38.6	1.29	65.74	45.4	1.45	67.77	44.5	1.52	79.86	40.6	1.97	71.04	41.3	1.72	68.36	42.2	1.62
Year and month	Oklahoma—Con.			Oregon						Pennsylvania								
	Tulsa			State			Portland			State			Allentown-Bethlehem-Easton			Erie <sup>2</sup>		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$66.37	43.1	\$1.54	\$75.61	39.1	\$1.94	\$70.89	39.1	\$1.82	\$63.74	40.2	\$1.59	\$61.62	39.6	\$1.56	\$67.24	41.1	\$1.64
1952: Average	72.59	42.7	1.70	79.56	38.9	2.05	73.39	38.7	1.90	66.54	40.2	1.66	63.76	39.6	1.61	70.33	41.2	1.71
1952: September	73.33	41.9	1.75	79.82	38.3	2.09	73.30	38.8	1.89	68.50	40.4	1.70	67.62	40.3	1.68	69.97	41.6	1.68
October	74.27	42.2	1.76	78.91	38.9	2.03	72.93	39.2	1.86	68.94	40.6	1.70	65.92	40.0	1.65	68.34	40.7	1.69
November	78.37	43.3	1.81	82.14	39.1	2.10	73.37	38.2	1.92	69.58	40.4	1.72	68.82	40.7	1.69	71.83	41.4	1.74
December	77.53	42.6	1.82	81.24	39.1	2.08	74.95	38.8	1.93	70.91	40.7	1.74	66.03	39.4	1.68	72.13	41.1	1.76
1953: January	74.88	41.6	1.80	80.64	38.7	2.08	74.51	38.4	1.94	71.31	40.5	1.76	68.54	39.8	1.72	77.34	42.4	1.82
February	75.89	41.7	1.82	80.97	38.7	2.09	74.20	38.3	1.94	70.88	40.4	1.75	66.77	39.6	1.69	75.31	41.4	1.82
March	75.84	41.9	1.81	82.38	39.0	2.11	76.84	38.9	1.97	71.36	40.6	1.76	66.96	39.6	1.69	78.51	42.6	1.84
April	75.26	40.9	1.84	82.42	38.6	2.13	76.60	38.8	1.98	70.48	40.1	1.76	65.74	38.9	1.69	80.68	43.1	1.87
May	74.80	41.1	1.82	83.28	39.8	2.14	78.01	38.8	2.01	70.95	40.3	1.76	67.42	39.2	1.72	74.23	41.1	1.81
June	74.93	41.4	1.81	83.58	38.6	2.16	78.17	32.9	2.01	70.92	40.0	1.77	66.57	38.5	1.73	73.69	41.1	1.79
July	75.58	41.3	1.83	83.05	39.1	2.12	75.33	38.2	1.97	70.71	39.5	1.79	66.24	38.2	1.73	70.80	39.2	1.79
August	72.22	40.8	1.77	81.70	38.4	2.13	77.55	38.6	2.01	71.97	39.8	1.81	67.97	39.2	1.73	74.21	40.4	1.84
September	74.93	40.5	1.85	80.32	37.9	2.12	75.71	38.1	1.90	72.16	39.4	1.83	69.09	38.9	1.78	73.16	40.2	1.82
Year and month	Pennsylvania—Continued																	
	Harrisburg			Lancaster <sup>2</sup>			Philadelphia			Pittsburgh			Reading <sup>2</sup>			Scranton <sup>2</sup>		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$57.89	40.4	\$1.43	\$57.21	41.4	\$1.38	\$65.89	40.7	\$1.62	\$72.85	40.7	\$1.79	\$60.92	39.0	\$1.56	\$48.27	38.4	\$1.26
1952: Average	61.07	40.5	1.51	59.49	41.2	1.44	69.97	40.8	1.72	75.94	40.5	1.88	62.13	39.4	1.58	51.08	38.7	1.32
1952: September	63.63	40.7	1.56	59.71	41.7	1.43	71.19	41.1	1.73	80.33	40.9	1.96	63.75	40.3	1.58	52.03	39.3	1.32
October	63.93	40.9	1.56	61.26	41.9	1.46	71.41	40.9	1.75	80.26	41.2	1.95	65.85	40.7	1.62	51.94	39.2	1.33
November	64.72	40.4	1.60	59.44	40.3	1.48	72.81	41.3	1.76	80.09	40.8	1.96	64.48	39.9	1.62	51.81	39.1	1.33
December	63.71	40.5	1.57	63.50	42.5	1.49	73.76	41.6	1.77	81.94	41.3	1.98	67.40	40.8	1.65	51.89	38.9	1.33
1953: January	65.57	40.6	1.62	62.00	41.5	1.49	73.11	40.8	1.79	82.37	41.0	2.01	67.05	40.2	1.67	53.80	39.1	1.39
February	63.48	40.1	1.58	63.75	42.3	1.51	73.68	41.0	1.80	81.15	40.8	1.99	65.69	40.2	1.63	54.15	39.1	1.39
March	64.11	40.4	1.59	62.78	41.8	1.50	73.77	41.1	1.80	81.44	40.8	2.00	67.86	41.1	1.65	55.56	40.0	1.39
April	62.37	39.5	1.58	63.03	41.8	1.51	73.06	40.7	1.80	79.52	39.8	2.00	67.03	40.7	1.65	55.64	39.6	1.41
May	65.09	40.2	1.62	63.24	41.8	1.51	73.60	40.8	1.80	80.84	40.5	2.00	67.40	40.7	1.66	55.54	39.9	1.39
June	64.40	39.9	1.61	62.90	41.6	1.51	73.73	40.6	1.82	81.76	40.8	2.00	67.40	40.6	1.66	54.74	39.3	1.39
July	63.10	39.0	1.62	63.65	41.6	1.53	73.28	40.0	1.83	82.34	40.4	2.04	67.10	40.4	1.66	54.83	39.5	1.39
August	63.75	39.4	1.62	63.33	41.5	1.53	74.58	40.4	1.85	83.84	40.7	2.06	66.26	39.7	1.67	54.16	38.8	1.40
September	63.46	38.6	1.64	62.20	40.6	1.53	75.08	40.3	1.86	84.48	40.4	2.09	63.13	38.1	1.66	55.17	38.8	1.42
Year and month	Pennsylvania—Continued						Rhode Island			South Carolina								
	Wilkes-Barre-Hazleton <sup>2</sup>			York <sup>2</sup>			State			Providence			State			Charleston		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average	\$45.98	36.9	\$1.25	\$54.71	41.2	\$1.33	\$55.86	39.9	\$1.40	\$56.38	40.5	\$1.39	\$47.48	39.9	\$1.19	\$45.65	40.4	\$1.13
1952: Average	49.74	38.0	1.31	57.13	41.4	1.38	59.62	40.2	1.48	59.16	40.8	1.45	47.88	39.9	1.20	48.03	40.7	1.18
1952: September	50.70	38.7	1.31	56.48	40.9	1.38	61.18	41.2	1.48	60.86	41.4	1.47	49.78	40.8	1.22	48.73	41.3	1.18
October	52.11	38.8	1.34	59.88	42.5	1.41	60.16	40.3	1.49	59.86	41.0	1.46	49.73	41.1	1.21	49.32	41.1	1.20
November	53.29	39.5	1.35	58.93	41.1	1.41	60.61	39.6	1.53	59.60	40.0	1.49	50.14	41.1	1.22	48.67	40.9	1.19
December	51.42	38.6	1.33	61.33	42.5	1.46	63.30	41.8	1.51	63.12	41.3	1.48	49.82	40.5	1.23	47.52	39.6	1.20
1953: January	52.07	38.2	1.36	61.29	42.3	1.45	62.07	41.2	1.51	63.09	41.2	1.51	50.12	40.2	1.23	49.17	40.3	1.22
February	51.61	38.4	1.34	61.91	42.0	1.47	61.51	40.9	1.50	61.65	41.1	1.50	49.82	40.5	1.22	48.80	40.0	1.22
March	51.78	38.5	1.35	63.92	42.7	1.50	61.48	40.9	1.50	62.10	41.4	1.50	49.45	40.2	1.23	48.80	40.0	1.22
April	50.09	37.3	1.34	63.51	42.2	1.51	61.24	40.7	1.50	60.75	40.5	1.50	49.97	40.3	1.24	52.07	40.1	1.27
May	51.13	38.1	1.34	61.56	41.9	1.49	60.95	40.4	1.51	60.64	40.7	1.49	49.72	40.1	1.24	49.85	40.2	1.24
June	51.07	37.8	1.35	64.73	42.7	1.52	61.81	40.8	1.52	61.16	40.6	1.51	50.22	40.5	1.24	50.88	40.7	1.25
July	49.79	37.1	1.34	64.38	41.6	1.51	60.28	40.1	1.51	60.60	40.4	1.50	49.48	39.9	1.24	49.48	39.9	1.24
August	50.23	37.3	1.36	63.13	42.0	1.51	57.46	37.8	1.52	61.79	40.8	1.49	49.35	39.8	1.24	49.52	39.3	1.26
September	49.50	36.4	1.36	61.38	40.7	1.51	58.29	37.9	1.54	59.80	39.6	1.51	49.64	39.4	1.26	51.21	39.7	1.29

TABLE C-5. Hours and gross earnings of production workers in manufacturing industries for selected States and areas<sup>1</sup>—Continued

Year and month	South Dakota						Tennessee											
	State		Sioux Falls		State		Chattanooga		Knoxville		Memphis							
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings			
1951: Average	\$58.46	43.3	\$1.35	\$62.84	44.5	\$1.41	\$51.96	40.2	\$1.29	\$53.59	40.6	\$1.32	\$58.49	40.9	\$1.43	\$58.22	42.5	\$1.37
1952: Average	62.76	44.2	1.42	69.01	45.4	1.52	54.67	40.8	1.34	55.76	41.0	1.36	61.20	40.8	1.50	62.63	42.9	1.46
1952: September	63.50	44.3	1.43	70.80	46.3	1.53	55.88	41.7	1.34	56.85	41.8	1.36	63.76	41.4	1.54	63.94	43.5	1.51
October	63.16	44.1	1.43	69.13	45.1	1.53	56.58	41.6	1.36	57.27	41.8	1.37	66.03	42.6	1.55	64.08	43.3	1.48
November	66.18	45.8	1.44	73.14	47.9	1.54	56.99	41.6	1.37	58.80	42.3	1.38	63.91	41.5	1.56	63.62	42.7	1.49
December	66.56	45.8	1.45	75.91	49.2	1.54	56.99	41.5	1.37	57.55	41.7	1.38	66.14	42.4	1.56	63.49	42.9	1.48
1953: January	66.34	44.8	1.48	74.77	48.0	1.56	55.48	40.5	1.37	56.17	40.7	1.38	62.00	40.5	1.57	63.69	42.7	1.49
February	60.91	41.4	1.47	67.09	42.8	1.57	56.03	40.6	1.38	56.70	40.5	1.40	64.58	40.0	1.55	61.50	41.0	1.50
March	62.19	42.4	1.47	67.83	43.2	1.57	56.58	40.1	1.38	57.95	41.1	1.41	64.53	41.1	1.57	64.90	41.9	1.52
April	60.84	41.2	1.48	66.88	42.2	1.58	56.98	40.7	1.40	57.51	40.5	1.42	66.30	41.7	1.59	65.48	42.8	1.55
May	63.35	42.3	1.46	69.62	44.0	1.58	56.57	40.7	1.39	57.08	40.2	1.42	66.56	41.6	1.60	64.14	42.2	1.52
June	64.51	43.5	1.48	70.36	44.4	1.58	56.57	40.7	1.39	57.63	40.3	1.43	66.08	41.3	1.60	63.12	41.8	1.51
July	63.27	42.6	1.49	68.87	43.7	1.58	56.84	40.6	1.40	57.49	40.2	1.43	63.99	40.5	1.58	64.45	42.4	1.52
August	62.35	42.8	1.46	67.34	42.9	1.57	57.12	40.8	1.40	59.04	41.0	1.44	65.44	40.9	1.60	63.12	41.8	1.51
September	65.36	43.9	1.49	67.70	43.4	1.56	57.89	40.2	1.44	57.38	39.3	1.46	67.06	40.4	1.66	63.80	41.7	1.53
Tennessee—Con.			Texas			Utah			Vermont									
Nashville			State			State			Salt Lake City <sup>2</sup>			State			Burlington			
1951: Average	\$53.00	40.3	\$1.32	\$62.75	42.4	\$1.48	\$64.53	41.1	\$1.57	\$66.78	42.0	\$1.59	\$57.32	43.3	\$1.33	\$55.03	40.5	\$1.36
1952: Average	55.07	40.2	1.37	66.57	42.4	1.57	66.73	40.2	1.66	70.64	41.8	1.69	59.35	42.7	1.39	56.49	39.5	1.43
1952: September	55.76	40.7	1.37	69.76	43.6	1.60	67.32	41.3	1.63	71.06	41.8	1.70	60.51	43.1	1.40	57.21	39.4	1.45
October	56.03	40.9	1.37	68.80	43.0	1.60	64.34	38.3	1.68	70.72	41.6	1.70	60.84	43.1	1.41	58.01	39.3	1.44
November	56.30	40.5	1.39	69.50	42.9	1.62	69.55	40.2	1.73	73.78	42.4	1.74	57.82	40.8	1.42	55.25	37.7	1.47
December	57.82	41.6	1.39	70.25	43.1	1.63	70.12	40.3	1.74	75.68	43.0	1.76	60.93	42.8	1.42	57.99	39.5	1.47
1953: January	56.28	40.2	1.40	68.62	42.1	1.63	71.78	40.1	1.79	72.10	41.2	1.75	61.23	42.9	1.43	57.97	38.9	1.49
February	57.37	40.4	1.42	67.97	41.7	1.63	71.96	40.2	1.79	73.10	41.3	1.77	61.75	43.1	1.43	58.62	39.2	1.50
March	58.08	40.9	1.42	68.97	41.8	1.65	73.08	40.6	1.80	73.22	41.6	1.76	61.79	43.2	1.45	59.01	40.1	1.48
April	58.90	40.9	1.44	69.39	41.8	1.66	73.08	40.6	1.80	74.16	41.9	1.77	62.37	43.1	1.44	57.98	39.4	1.47
May	59.33	41.2	1.44	69.39	41.2	1.66	72.27	40.6	1.78	72.80	40.9	1.78	62.97	43.2	1.45	59.24	39.8	1.49
June	58.63	41.0	1.43	69.30	41.5	1.67	72.85	40.7	1.79	74.05	41.6	1.78	63.20	43.2	1.46	58.90	39.5	1.49
July	58.03	40.3	1.44	70.89	41.7	1.70	73.18	42.3	1.73	72.98	41.7	1.75	62.20	42.6	1.46	56.93	38.6	1.47
August	57.74	40.1	1.44	70.81	41.9	1.69	73.89	40.6	1.82	74.88	41.6	1.80	62.83	43.1	1.46	58.87	40.2	1.46
September	57.48	39.1	1.47	70.96	41.5	1.71	71.15	42.1	1.69	76.08	41.8	1.82	63.25	43.3	1.46	59.45	40.1	1.48
Vermont—Con.			Virginia			Washington												
Springfield			State			Norfolk-Portsmouth			Richmond			State			Seattle			
1951: Average	\$73.01	47.1	\$1.55	\$51.05	40.2	\$1.27	\$56.44	41.5	\$1.36	\$56.68	40.2	\$1.41	\$72.45	38.7	\$1.87	\$72.60	39.1	\$1.85
1952: Average	78.12	46.5	1.68	53.47	40.2	1.33	58.52	41.5	1.36	56.68	40.2	1.41	76.16	38.7	1.97	74.36	38.5	1.93
1952: September	80.76	47.0	1.72	54.67	40.8	1.34	58.56	42.2	1.39	56.68	40.2	1.41	77.16	39.1	1.97	76.47	38.8	1.97
October	79.31	46.1	1.72	54.67	40.8	1.34	58.52	41.8	1.40	58.20	40.7	1.43	76.51	38.6	1.98	76.28	38.7	1.97
November	75.78	43.3	1.75	55.62	41.2	1.35	54.92	39.8	1.38	58.90	40.9	1.44	77.51	38.2	2.03	76.88	38.7	1.90
December	79.63	45.5	1.75	56.17	41.0	1.37	56.16	40.4	1.39	60.03	41.4	1.45	78.75	38.9	2.03	75.69	38.6	1.96
1953: January	78.92	45.0	1.75	55.21	40.3	1.37	55.74	40.1	1.39	58.18	40.4	1.44	79.13	38.8	2.04	75.89	38.2	1.98
February	80.14	45.7	1.75	54.79	39.7	1.38	55.58	39.7	1.40	59.28	40.6	1.46	79.68	39.2	2.03	75.71	38.4	1.97
March	80.88	45.9	1.76	56.02	40.3	1.39	57.94	40.8	1.42	59.16	40.8	1.45	79.84	39.1	2.04	77.22	38.9	1.98
April	82.93	45.3	1.83	54.49	39.2	1.39	59.57	40.8	1.46	59.98	40.8	1.47	79.23	38.8	2.04	76.04	38.5	1.98
May	82.51	45.4	1.82	54.90	39.5	1.39	57.51	40.5	1.42	58.36	39.7	1.47	78.73	38.6	2.04	74.65	37.9	1.97
June	82.54	45.5	1.81	57.39	40.7	1.41	58.46	40.6	1.44	58.51	39.8	1.47	79.59	38.9	2.05	75.83	38.1	1.99
July	82.20	45.7	1.80	54.74	39.1	1.40	62.13	41.7	1.49	58.31	39.4	1.48	79.91	39.6	2.02	75.84	38.3	1.98
August	82.67	45.6	1.81	55.58	39.7	1.40	59.60	40.0	1.49	60.85	41.1	1.48	79.16	38.7	2.05	77.50	38.7	2.00
September	82.64	45.4	1.82	55.41	39.3	1.41	61.50	41.0	1.50	60.34	40.5	1.49	77.67	37.9	2.05	76.30	38.0	2.01
Washington—Continued			West Virginia			Wisconsin												
Spokane			Tacoma			State			Charleston			State			Kenosha			
1951: Average	\$70.02	40.3	\$1.73	\$69.63	38.1	\$1.83	\$63.36	40.1	\$1.58	\$78.35	40.2	\$1.95	\$68.77	42.5	\$1.62	\$73.74	41.2	\$1.79
1952: Average	74.21	40.2	1.85	75.10	38.9	1.93	65.82	39.7	1.66	80.39	40.6	1.98	71.77	42.2	1.70	75.34	40.1	1.88
1952: September	74.84	39.0	1.92	76.50	39.8	1.92	67.26	39.8	1.69	80.39	40.6	1.98	71.77	42.2	1.70	75.34	40.4	1.91
October	75.47	39.7	1.90	76.16	38.6	1.97	68.17	40.1	1.70	81.19	40.8	1.99	73.55	42.5	1.73	79.31	40.7	1.95
November	76.95	40.4	1.91	74.07	37.4	1.98	68.68	40.4	1.70	81.40	40.7	2.00	75.12	42.8	1.75	78.42	40.6	1.93
December	75.95	40.3	1.89	74.11	37.9	1.95	68.91	40.3	1.71	81.61	40.4	2.02	75.90	42.9	1.77	76.71	40.1	1.91
1953: January	75.95	40.3	1.92	75.82	38.5	1.97	69.55	40.2	1.73	83.43	41.3	2.02	75.19	42.3	1.78	81.40	41.2	1.97
February	77.97	40.4	1.93	76.96	38.9	1.98	69.60	40.0	1.74	83.44	40.7	2.05	75.67	42.3	1.79	81.96	41.4	1.98
March	79.82	40.9	1.95	77.33	38.8	1.99	70.18	40.1	1.75	85.07	40.9	2.08	76.28	42.5	1.79	79.29	40.2	1.97
April	76.50	39.3	1.95	76.15	38.4	1.98	70.05	39.8	1.76	85.05	40.5	2.10	74.55	41.9	1.78	74.79	39.8	1.95
May	72.85	37.6	1.94	76.80	38.2	2.01	71.96	40.2	1.77	85.06	40.7	2.09	75.76	42.3	1.80	80.30	40.6	1.98
June	77.83	39.7	1.96	76.90	38.0	2.02	70.84	39.8	1.78	85.05	40.5	2.10	74.55	41.9	1.78	74.79	39.8	1.95
July	80.04	40.1	2.00	80.20	39.2	2.05	71.08	39.6	1.81	88.18	41.4	2.13	72.05	41.9	1.72	73.28	38.5	1.90
August	77.59	39.1	1.98	77.46	39.0	1.98	71.02	39.9	1.78	85.26	40.6	2.10	73.72	42.0	1.76	74.75	39.2	1.91
September	81.79	37.9	2.16	74.21	37.9	1.96	71.19	38.9	1.83	88.00	40.0	2.20	72.98	41.4	1.76	78.06	40.1	1.95

TABLE C-5. Hours and gross earnings of production workers in manufacturing industries for selected States and areas<sup>1</sup>—Continued

Year and month	Wisconsin—Continued												Wyoming					
	La Crosse			Madison			Milwaukee			Racine			State			Casper		
	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings	Avg. wkly. earnings	Avg. wkly. hours	Avg. hrly. earnings
1951: Average.....	\$63.11	39.2	\$1.61	\$69.36	41.3	\$1.68	\$74.79	42.2	\$1.77	\$75.54	41.9	\$1.80	\$71.89	39.2	\$1.83	-----	-----	-----
1952: Average.....	68.47	39.5	1.73	73.56	41.0	1.80	77.79	41.7	1.86	77.85	41.2	1.89	76.36	40.4	1.89	-----	-----	-----
1952: September.....	68.88	39.4	1.75	73.17	40.8	1.81	78.32	41.5	1.89	77.17	41.2	1.88	78.72	41.0	1.92	\$90.86	41.3	\$2.20
October.....	69.41	39.4	1.76	75.11	41.2	1.84	79.51	41.9	1.90	78.84	41.7	1.89	75.01	39.9	1.88	89.47	40.3	2.22
November.....	70.36	39.9	1.76	77.54	42.0	1.85	81.41	42.4	1.92	80.08	42.0	1.91	78.72	41.0	1.92	94.32	41.6	2.26
December.....	72.89	40.6	1.79	80.30	43.0	1.87	82.34	42.6	1.93	79.49	41.7	1.91	78.38	40.4	1.94	89.15	39.8	2.24
1953: January.....	69.11	38.0	1.82	76.75	40.8	1.89	81.26	42.0	1.94	80.21	41.8	1.92	77.81	39.1	1.99	94.39	41.4	2.28
February.....	71.92	39.8	1.81	75.12	40.4	1.87	81.37	41.8	1.94	79.81	41.4	1.93	79.60	40.2	1.98	88.76	39.1	2.27
March.....	71.74	39.4	1.82	73.94	40.2	1.85	81.83	41.9	1.95	82.09	42.2	1.95	79.39	40.3	1.97	90.40	40.0	2.26
April.....	71.53	39.3	1.82	73.14	39.7	1.84	82.12	41.9	1.96	80.82	41.9	1.93	78.21	39.5	1.98	91.25	40.2	2.27
May.....	72.61	39.7	1.83	73.81	39.7	1.86	80.84	41.4	1.95	79.57	41.5	1.92	79.20	40.0	1.98	93.30	41.1	2.27
June.....	73.49	40.1	1.83	76.40	40.3	1.90	79.80	41.1	1.94	78.41	41.1	1.91	79.20	39.8	1.99	91.88	40.3	2.28
July.....	71.53	38.8	1.84	72.13	39.4	1.83	79.76	41.2	1.94	75.61	40.3	1.88	84.67	41.1	2.06	94.25	40.8	2.31
August.....	73.58	39.7	1.85	72.78	39.4	1.85	83.07	42.0	1.98	76.15	40.3	1.89	80.54	41.3	1.95	96.17	41.1	2.34
September.....	76.05	40.6	1.87	74.72	39.7	1.88	81.97	41.2	1.99	76.53	40.5	1.89	78.59	39.1	2.01	91.34	39.2	2.33

<sup>1</sup> Data for earlier years are available upon request to the Bureau of Labor Statistics or the cooperating State agency. State agencies also make available more detailed industry data. See table A-7 for addresses of cooperating State agencies.

<sup>2</sup> Not comparable with preceding data shown.

<sup>3</sup> Revised series; not comparable with data previously published.

## D: Prices and Cost of Living

TABLE D-1: Consumer Price Index<sup>1</sup>—United States average, all items and commodity groups

[1947-49=100]

Year and month	All items	Total food <sup>2</sup>	Apparel	Housing <sup>3</sup>						Transportation	Medical care	Personal care	Reading and recreation	Other goods and services
				Total <sup>4</sup>	Rent	Gas and electricity	Solid fuels and fuel oil	House-furnishings	Household operation					
1947: Average	95.5	95.9	97.1	95.0	94.4	97.6	88.8	97.2	97.2	90.6	94.5	97.6	95.5	96.1
1948: Average	102.8	104.1	103.5	101.7	100.7	100.0	104.4	102.2	102.6	100.9	101.3	100.4	100.5	100.5
1949: Average	101.8	100.0	99.4	103.3	105.0	102.5	103.8	99.6	100.1	108.1	104.1	101.1	104.1	103.4
1950: Average	102.8	101.2	98.1	108.8	102.7	110.5	100.3	101.2	111.3	106.0	101.1	103.4	105.2	105.2
1951: Average	111.0	112.6	106.9	112.4	113.1	110.1	116.4	111.2	109.0	118.4	111.1	110.6	106.5	109.7
1952: Average	113.5	114.6	105.8	114.6	117.9	104.5	118.7	108.5	111.8	126.2	117.2	111.8	107.0	115.4
1950: January	100.6	97.0	96.7	104.4	107.5	102.8	109.9	97.4	96.4	110.2	105.0	99.4	104.3	103.9
February	100.4	96.5	95.7	104.6	107.7	102.8	108.6	97.6	99.4	110.0	105.0	99.2	104.6	103.9
March	100.7	97.3	96.8	104.6	107.8	102.8	108.9	97.7	99.5	109.8	105.1	99.1	104.4	103.9
April	100.8	97.7	96.7	104.7	108.1	102.9	109.7	97.7	99.4	109.6	105.1	99.1	104.0	103.8
May	101.3	98.9	96.5	104.7	108.5	102.8	108.8	97.5	99.7	110.1	105.3	99.0	103.8	103.9
June	101.8	100.5	96.5	104.9	108.7	102.7	107.6	97.4	99.6	109.9	105.4	99.2	102.5	103.7
July	102.9	103.1	96.4	105.3	109.1	102.8	108.1	98.1	99.9	111.2	105.6	99.5	101.7	104.1
August	103.7	103.9	97.1	106.1	109.3	102.7	109.8	99.7	101.2	112.4	106.0	100.8	101.9	106.3
September	104.4	104.0	99.2	107.1	109.5	102.8	111.6	102.4	102.3	112.7	107.0	101.3	102.7	106.8
October	105.0	104.3	100.9	108.1	109.6	102.7	113.4	104.7	103.6	112.6	107.1	103.3	103.0	107.1
November	105.5	104.4	101.6	108.8	110.0	102.7	114.8	105.0	104.4	112.9	107.4	106.1	103.6	107.4
December	106.9	107.1	102.2	109.4	110.4	102.7	114.8	107.1	105.6	114.1	108.0	107.4	104.1	107.9
1951: January	108.6	109.9	103.8	110.4	110.6	103.1	115.1	109.3	107.2	114.7	108.5	109.8	105.6	108.4
February	109.9	111.9	105.6	111.2	111.3	103.1	116.4	110.5	108.1	115.8	108.9	110.6	106.4	108.7
March	110.3	112.0	106.2	111.7	111.9	103.1	116.7	111.1	108.4	116.9	109.9	110.7	107.0	108.0
April	110.4	111.7	106.4	111.9	112.2	102.8	116.7	111.6	108.3	117.2	110.3	110.7	107.3	109.0
May	110.9	112.6	106.6	112.2	112.5	103.2	115.2	112.1	108.7	117.6	110.7	110.8	107.3	109.2
June	110.8	112.3	106.6	112.3	112.7	103.0	115.4	112.0	108.7	117.5	111.0	110.8	106.5	109.1
July	110.9	112.7	106.7	112.6	113.1	103.1	115.9	112.0	109.1	117.8	111.0	110.6	106.6	109.1
August	110.9	112.4	106.4	112.6	113.6	103.2	116.2	111.1	109.0	118.7	111.2	110.4	106.4	109.1
September	111.6	112.5	109.3	112.9	114.2	103.2	116.6	111.3	108.8	119.7	111.8	110.0	105.8	109.6
October	112.1	113.5	109.2	113.2	114.8	103.3	117.1	110.9	109.6	120.5	112.6	110.0	105.9	109.6
November	112.8	114.6	108.5	113.7	115.4	103.3	117.4	111.1	110.4	122.1	113.1	110.6	106.3	112.4
December	113.1	115.0	108.1	113.9	115.6	103.4	117.6	110.8	111.1	122.2	114.3	111.1	106.5	112.8
1952: January	113.1	115.0	107.0	113.9	116.0	103.5	117.7	110.2	110.9	122.8	114.7	111.0	107.2	113.2
February	112.4	112.6	106.8	114.0	116.4	103.8	117.6	110.6	110.8	123.7	114.8	111.1	106.6	114.4
March	112.4	112.7	106.4	114.0	116.7	103.8	117.7	109.4	111.0	124.4	115.7	111.0	106.3	114.8
April	112.9	113.9	106.0	114.0	116.9	103.9	117.3	108.7	111.0	124.8	115.9	111.3	106.2	115.2
May	113.0	114.3	105.8	114.0	117.4	104.1	115.0	108.3	111.2	125.1	116.1	111.6	106.2	115.8
June	113.4	114.6	105.6	114.0	117.6	104.3	115.8	107.7	111.2	125.3	117.4	111.7	106.8	115.7
July	114.1	116.3	105.3	114.4	117.9	104.2	118.6	107.6	111.8	126.8	118.0	111.9	107.0	116.0
August	114.3	116.6	105.1	114.6	118.2	105.0	119.0	107.6	111.9	127.0	118.1	112.1	107.0	115.9
September	114.1	115.4	105.8	114.8	118.3	105.0	119.6	108.1	112.1	127.7	118.8	112.1	107.3	115.9
October	114.2	115.0	105.6	115.2	118.8	105.0	121.1	107.9	112.8	128.4	118.9	112.3	107.6	115.8
November	114.3	115.0	105.2	115.7	119.5	105.4	121.6	108.6	113.3	128.9	118.9	112.4	107.4	115.8
December	114.1	113.8	105.1	116.4	120.7	105.6	123.2	108.2	113.4	128.9	119.3	112.5	108.0	115.9
1953: January	113.9	113.1	104.6	116.4	121.1	105.9	123.3	107.7	113.4	129.3	119.4	112.4	107.8	115.9
February	113.4	111.5	104.6	116.6	121.5	106.1	123.3	108.0	113.5	129.1	119.3	112.5	107.5	115.8
March	113.6	111.7	104.7	116.8	121.7	106.5	124.4	108.0	114.0	129.3	119.5	112.4	107.7	117.5
April	113.7	111.5	104.6	117.0	122.1	106.5	123.6	107.8	114.3	129.4	120.2	112.5	107.9	117.9
May	114.0	112.1	104.7	117.1	123.0	106.6	121.8	107.6	114.7	129.4	120.7	112.8	108.0	118.0
June	114.5	113.7	104.6	117.4	123.3	106.4	121.8	108.0	115.4	129.4	121.1	112.6	107.8	118.2
July	114.7	113.8	104.4	117.8	123.8	106.4	122.7	108.1	115.7	129.7	121.5	112.6	107.4	118.3
August	115.0	114.1	104.3	118.0	125.1	106.9	123.9	107.4	115.8	130.6	121.8	112.7	107.6	118.4
September	115.2	113.8	105.3	118.4	126.0	106.9	124.6	108.1	116.0	130.7	122.6	112.9	107.8	118.5
October	115.4	113.6	105.5	118.7	126.8	107.0	125.7	108.1	116.6	130.7	122.8	113.2	108.6	119.7

<sup>1</sup> A major revision was incorporated in the Consumer Price Index beginning January 1953. The revised index, based on 41 cities, has been linked to the previously published "interim adjusted" indexes for 4 cities and rebased on 1947-49=100 to form a continuous series. For the convenience of users, the "All-items" indexes are also shown on the 1935-39=100 base in table D-3.

The revised Consumer Price Index measures the average change in prices of goods and services purchased by urban wage-earner and salaried-clerical worker-families. Data for 46 large, medium, and small cities are combined for the United States average.

For a history and description of the index, see The Consumer Price Index, in the February 1953 Monthly Labor Review, the pamphlet, The Consumer Price Index—A Short Description of the Index as Revised, 1953; The Interim Adjustment of Consumers' Price Index, in the April 1951 Monthly Labor Review; Interim Adjustment of Consumers' Price Index, Bulletin 1039,

and the following reports: Consumers' Price Index, Report of a Special Subcommittee of the House Committee on Education and Labor (1951); and Report of the President's Committee on the Cost of Living (1945).

Micrographed tables are available upon request showing indexes for the United States and 20 individual cities regularly surveyed by the Bureau for "All-items" and 8 major components from 1947 to date. Indexes are also available from 1913 for "All-items," food, apparel, and rent, for all large cities combined, and from varying dates for individual cities.

<sup>2</sup> Includes "Food away from home" (restaurant meals and other food bought and eaten away from home); prior to January 1953, prices for this category were estimated to move like prices for "Food at home" but, since that date, have been measured by prices of restaurant meals.

<sup>3</sup> Includes "Other shelter."

<sup>4</sup> Includes tobacco, alcoholic beverages, and "miscellaneous services" (such as legal services, banking fees, and burial services).



TABLE D-2: Consumer Price Index<sup>1</sup>—United States average, food and its subgroups

[1947-49=100]

Year and month	Total food <sup>2</sup>	Food at home						Year and month	Total food <sup>2</sup>	Food at home					
		Total food at home	Cereals and bakery products	Meats, poultry, and fish	Dairy products	Fruits and vegetables	Other foods <sup>3</sup>			Total food at home	Cereals and bakery products	Meats, poultry, and fish	Dairy products	Fruits and vegetables	Other foods <sup>3</sup>
1947: Ave.	95.9	95.9	94.0	93.5	96.7	97.6	100.1	1951: Oct.	113.5	113.5	114.6	119.1	107.9	103.2	118.9
1948: Ave.	104.1	104.1	103.4	106.1	106.3	100.5	102.5	Nov.	114.6	114.6	115.1	117.7	109.2	109.5	118.5
1949: Ave.	100.0	100.0	102.7	100.5	96.9	101.9	97.5	Dec.	115.0	115.0	115.2	116.3	110.7	115.8	114.5
1950: Ave.	101.2	101.2	104.5	104.9	95.9	97.6	101.2	1952: Jan.	115.0	115.0	115.3	117.1	112.0	118.2	109.1
1951: Ave.	112.6	112.6	114.0	117.2	107.0	106.7	114.6	Feb.	112.6	112.6	115.5	116.7	112.7	109.5	105.8
1952: Ave.	114.6	114.6	116.8	116.2	111.5	117.2	109.3	Mar.	112.7	112.7	115.7	115.2	112.0	113.7	104.4
1950: Jan.	97.0	97.0	102.2	94.4	95.6	100.3	95.1	Apr.	113.9	113.9	115.6	114.8	110.4	121.1	105.0
Feb.	96.5	96.5	102.3	95.5	95.3	97.6	93.5	May.	114.3	114.3	117.2	114.5	106.3	124.3	104.4
Mar.	97.3	97.3	102.3	98.7	94.7	95.5	95.5	June.	114.6	114.6	116.9	116.5	108.9	122.4	105.2
Apr.	97.7	97.7	102.4	99.5	93.3	97.4	95.1	July.	116.3	116.3	117.6	116.4	110.2	124.0	111.5
May.	98.9	98.9	102.7	103.4	92.6	99.0	93.5	Aug.	116.6	116.6	117.5	119.4	111.0	118.7	113.1
June.	100.5	100.5	102.7	106.1	92.3	102.5	94.1	Sept.	115.4	115.4	117.4	119.2	112.5	111.5	113.7
July.	103.1	103.1	103.8	110.1	93.8	103.6	97.7	Oct.	115.0	115.0	117.5	116.9	113.2	111.3	115.1
Aug.	103.9	103.9	106.2	112.2	95.7	94.7	105.3	Nov.	115.0	115.0	117.5	114.3	113.3	115.9	114.3
Sept.	104.0	104.0	107.0	112.4	97.0	91.1	107.7	Dec.	113.8	113.8	117.7	113.0	112.7	115.8	110.6
Oct.	104.3	104.3	107.2	109.0	99.6	92.9	110.4	1953: Jan.	113.1	112.9	117.7	110.9	111.6	116.7	109.7
Nov.	104.4	104.4	107.4	107.7	100.1	95.8	109.2	Feb.	111.5	111.1	117.6	107.7	110.7	115.9	107.3
Dec.	107.1	107.1	107.5	109.1	100.7	99.9	117.0	Mar.	111.7	111.3	117.7	107.4	110.3	115.5	109.1
1951: Jan.	109.9	109.9	112.2	113.5	105.2	104.8	111.2	Apr.	111.5	111.1	118.0	106.8	109.0	115.0	110.4
Feb.	111.9	111.9	113.2	116.3	106.1	109.8	110.3	May.	112.1	111.7	118.4	109.2	107.8	115.2	110.3
Mar.	112.0	112.0	113.4	117.2	106.2	106.3	112.7	June.	113.7	113.7	118.9	111.3	107.5	121.7	110.9
Apr.	111.7	111.7	113.9	117.3	106.0	105.2	112.4	July.	113.8	113.8	119.1	112.0	108.3	118.2	112.3
May.	112.6	112.6	113.9	117.4	105.7	108.5	113.5	Aug.	114.1	114.1	119.5	114.1	109.1	112.7	114.4
June.	112.3	112.3	114.0	116.9	105.9	107.7	113.8	Sept.	113.8	113.5	120.3	113.5	109.6	106.6	115.7
July.	112.7	112.7	114.3	117.6	106.5	107.0	114.8	Oct.	113.6	113.3	120.4	111.1	110.1	107.7	117.4
Aug.	112.4	112.4	114.2	118.4	106.9	102.3	116.5	Nov.							
Sept.	112.5	112.5	114.6	118.6	107.2	100.4	118.4	Dec.							

<sup>1</sup> See footnote 1 to table D-1. Indexes for 18 food subgroups (1935-39=100) from 1923 to December 1952 were published in the March 1953 Monthly Labor Review and in previous issues.

<sup>2</sup> See footnote 2 to table D-1.  
<sup>3</sup> Includes eggs, fats and oils, sugar and sweets, beverages (nonalcoholic) and other miscellaneous foods.

TABLE D-3: Consumer Price Index<sup>1</sup>—United States average, all items and food

Year	1947-49=100		1935-39=100	Year and month	1947-49=100		1935-39=100	Year and month	1947-49=100		1935-39=100
	All items	Total food <sup>2</sup>			All items	Total food <sup>2</sup>			All items	Total food <sup>2</sup>	
1913: Average	42.3	39.6	70.7	1941: Average	62.9	52.2	105.2	1951: June	110.8	112.3	185.2
1914: Average	43.4	40.5	71.8	1942: Average	60.7	51.3	116.6	July	109.9	112.7	185.5
1915: Average	42.9	40.0	72.5	1943: Average	74.0	68.3	123.7	August	109.9	112.4	185.5
1916: Average	46.6	45.0	77.9	1944: Average	75.2	67.4	125.7	September	111.6	112.5	186.6
1917: Average	54.8	57.9	91.6	1945: Average	76.9	68.9	128.6	October	112.1	113.5	187.4
1918: Average	64.3	66.5	107.5	1946: Average	83.4	79.0	139.5	November	112.8	114.6	188.6
1919: Average	74.0	74.2	123.8	1947: Average	95.5	95.9	159.6	December	113.1	115.0	189.1
1920: Average	85.7	83.6	143.3	1948: Average	102.8	104.1	171.9	1952: January	113.1	115.0	189.1
1921: Average	76.4	63.5	127.7	1949: Average	101.8	100.0	170.2	February	112.4	112.6	187.9
1922: Average	71.6	59.4	119.7	1950: Average	102.8	101.2	171.9	March	112.4	112.7	188.0
1923: Average	72.9	61.4	121.9	1951: Average	111.0	112.6	185.6	April	112.9	113.9	188.7
1924: Average	73.1	60.8	122.2	1952: Average	113.5	114.6	189.8	May	113.0	114.3	189.0
1925: Average	75.0	65.8	125.4	1950: January	100.6	97.0	168.2	June	113.4	114.6	189.6
1926: Average	75.6	68.0	126.4	February	100.4	96.5	167.9	July	114.1	116.3	190.8
1927: Average	74.2	65.5	124.0	March	100.7	97.3	168.4	August	114.3	116.6	191.1
1928: Average	73.3	64.8	122.6	April	100.8	97.7	168.5	September	114.1	115.4	190.8
1929: Average	73.3	65.6	122.4	May	101.3	98.9	169.3	October	114.2	115.0	190.9
1930: Average	71.4	62.4	119.4	June	101.8	100.5	170.2	November	114.3	115.0	191.1
1931: Average	65.0	51.4	108.7	July	102.9	103.1	172.0	December	114.1	113.8	190.7
1932: Average	58.4	42.8	97.6	August	103.7	103.9	173.4	1953: January	113.9	113.1	190.4
1933: Average	55.3	41.6	92.4	September	104.4	104.0	174.6	February	113.4	111.5	189.6
1934: Average	57.2	46.4	95.7	October	105.0	104.3	175.6	March	113.6	111.7	189.9
1935: Average	58.7	49.7	98.1	November	105.5	104.4	176.4	April	113.7	111.5	190.1
1936: Average	59.3	50.1	99.1	December	106.9	107.1	178.8	May	114.0	112.1	190.6
1937: Average	61.4	52.1	102.7	1951: January	108.6	109.9	181.5	June	114.5	113.7	191.4
1938: Average	60.3	48.4	100.8	February	109.9	111.9	183.8	July	114.7	113.8	191.8
1939: Average	59.4	47.1	99.4	March	110.3	112.0	184.5	August	115.0	114.1	192.3
1940: Average	59.9	47.5	100.2	April	110.4	111.7	184.6	September	115.2	113.8	192.6
				May	110.9	112.6	185.4	October	115.4	113.6	192.9

<sup>1</sup> See footnote 1 to table D-1.

<sup>2</sup> See footnote 2 to table D-1.

TABLE D-4: Consumer Price Index<sup>1</sup>—All items indexes for selected dates, by city

City	1947-49=100														1935-39=100	
	Oct. 1953	Sept. 1953	Aug. 1953	July 1953	June 1953	May 1953	Apr. 1953	Mar. 1953	Feb. 1953	Jan. 1953	Dec. 1952	Nov. 1952	Oct. 1952	June 1950	Revised series Oct. 1953	Old series June 1953
United States average <sup>1</sup>	115.4	115.2	115.0	114.7	114.5	114.0	113.7	113.6	113.4	113.9	114.1	114.3	114.2	101.8	192.9	190.9
Atlanta, Ga.	(7)	117.6	(7)	(7)	117.1	(7)	(7)	116.7	(7)	(7)	(7)	117.1	(7)	(7)	(7)	197.7
Baltimore, Md.	(7)	115.9	(7)	(7)	115.1	(7)	(7)	114.2	(7)	(7)	(7)	114.4	(7)	(7)	(7)	194.6
Boston, Mass.	113.8	(7)	(7)	113.1	(7)	(7)	111.7	(7)	(7)	(7)	112.1	112.4	112.7	113.4	192.8	180.6
Chicago, Ill.	117.1	116.6	116.3	115.7	115.3	114.6	114.2	113.8	113.9	(7)	114.6	115.1	115.0	192.8	190.4	195.7
Cincinnati, Ohio.	(7)	115.3	(7)	(7)	114.5	(7)	(7)	112.6	(7)	(7)	112.5	112.5	113.3	101.2	(7)	195.0
Cleveland, Ohio.	(7)	(7)	115.1	(7)	(7)	113.7	(7)	(7)	112.5	(7)	(7)	113.6	(7)	(7)	(7)	(7)
Detroit, Mich.	117.2	116.9	116.9	116.9	116.6	115.8	115.2	115.2	115.1	115.7	116.0	115.3	115.5	102.8	197.8	200.4
Houston, Tex.	(7)	(7)	116.8	(7)	(7)	116.8	(7)	(7)	116.1	(7)	116.7	116.0	116.1	103.8	(7)	193.4
Kansas City, Mo.	115.7	(7)	(7)	113.3	(7)	(7)	114.3	(7)	(7)	114.3	(7)	(7)	115.2	(7)	186.3	(7)
Los Angeles, Calif.	116.3	116.2	115.8	115.8	115.4	115.3	115.6	115.4	114.9	115.4	115.3	115.1	114.8	101.3	194.3	188.7
Minneapolis, Minn.	116.6	(7)	(7)	115.6	(7)	(7)	115.1	(7)	(7)	114.4	114.6	(7)	(7)	102.1	193.1	(7)
New York, N. Y.	113.3	113.2	112.7	112.1	112.0	111.4	111.1	111.2	111.1	111.7	112.0	112.9	112.4	100.9	187.5	185.4
Philadelphia, Pa.	115.3	115.2	114.9	114.7	114.6	113.8	113.7	114.1	113.7	114.3	114.7	114.7	114.6	101.6	191.9	190.5
Pittsburgh, Pa.	114.7	(7)	(7)	113.8	(7)	(7)	112.8	(7)	(7)	112.6	113.4	113.5	113.4	101.1	195.0	194.6
Portland, Oreg.	116.1	(7)	(7)	115.5	(7)	(7)	115.4	(7)	(7)	114.6	(7)	(7)	115.0	(7)	201.1	(7)
St. Louis, Mo.	(7)	117.1	(7)	(7)	115.8	(7)	(7)	114.7	(7)	(7)	114.9	(7)	(7)	101.1	(7)	192.9
San Francisco, Calif.	(7)	116.9	(7)	(7)	116.1	(7)	(7)	115.5	(7)	(7)	115.6	(7)	(7)	100.9	(7)	190.1
Seranton, Pa.	(7)	(7)	113.2	(7)	(7)	112.0	(7)	(7)	112.2	(7)	(7)	113.1	(7)	(7)	(7)	(7)
Seattle, Wash.	(7)	(7)	116.8	(7)	(7)	116.2	(7)	(7)	114.6	(7)	(7)	115.6	(7)	(7)	(7)	(7)
Washington, D. C.	(7)	(7)	114.2	(7)	(7)	113.5	(7)	(7)	113.0	(7)	(7)	113.8	(7)	(7)	(7)	(7)

<sup>1</sup> See footnote 1 to table D-1. Indexes are based on time-to-time changes in the cost of goods and services purchased by urban wage-earner and clerical worker families. They do not indicate whether it costs more to live in one city than in another.

<sup>2</sup> A average of 46 cities beginning January 1953. See footnote 1 to table D-1. Prior to January 1953, indexes were computed monthly for 9 of these cities and once every 3 months for the remaining 11 cities on a rotating cycle. Beginning in January 1953, indexes are computed monthly for 5 cities and once every 3 months for the 15 remaining cities on a rotating cycle.

<sup>3</sup> All "old series" indexes discontinued as of June 1953. Last "old series" indexes (1935-39=100) for the 14 cities not included in the revised index and for cities not surveyed in June are as follows:

June 1953	
Birmingham, Ala.	196.6
Jacksonville, Fla.	198.2
Memphis, Tenn.	190.8
Mobile, Ala.	185.6
Portland, Maine.	181.9

## May 1953

Cleveland, Ohio.	192.8	Seranton, Pa.	185.3
Milwaukee, Wis.	196.9	Seattle, Wash.	195.4
New Orleans, La.	190.1	Washington, D. C.	185.5
Norfolk, Va.	191.3		

## April 1953

Buffalo, N. Y.	187.3	Minneapolis, Minn.	188.0
Denver, Colo.	189.1	Portland, Oreg.	198.9
Indianapolis, Ind.	192.5	Richmond, Va.	181.5
Kansas City, Mo.	181.8	Savannah, Ga.	197.7
Manchester, N. H.	184.7		

TABLE D-5: Consumer Price Index<sup>1</sup>—All items and commodity groups, except food,<sup>2</sup> by city

(1947-49=100)

City and cycle of pricing	All items		Apparel		Personal care		Medical care		Transportation		Reading and recreation		Other goods and services	
	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952
	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952
United States average.....	115.4	114.2	105.5	105.6	113.2	112.3	122.8	118.9	130.7	128.4	108.6	107.6	119.7	115.8
Monthly:														
Chicago, Ill.	117.1	115.0	108.4	106.2	113.7	114.7	122.4	116.2	133.4	133.6	110.9	109.0	116.9	110.0
Detroit, Mich.	117.2	115.5	103.6	103.2	119.2	118.9	121.5	117.0	126.8	125.8	112.7	110.9	124.6	120.8
Los Angeles, Calif.	116.3	114.8	104.1	104.7	117.9	118.1	121.0	118.5	127.7	123.9	103.8	107.7	114.6	111.7
New York, N. Y.	113.3	112.4	105.9	106.6	107.4	105.4	121.6	121.5	134.2	127.8	107.1	105.4	121.1	115.3
Philadelphia, Pa.	115.3	114.6	106.5	105.1	116.1	116.6	120.4	119.6	135.8	132.7	111.3	109.7	122.3	120.5
Jan., Apr., July, and Oct.:														
Boston, Mass.	113.8	113.4	103.6	103.3	112.3	110.5	124.3	122.5	136.7	133.4	110.1	106.4	117.7	115.4
Kansas City, Mo.	115.7	115.2	105.3	105.3	115.9	115.3	119.6	118.6	130.6	130.2	116.9	109.7	118.2	114.0
Minneapolis, Minn.	116.6	(*)	106.6	(*)	117.1	(*)	137.9	(*)	121.3	(*)	116.8	(*)	124.7	(*)
Pittsburgh, Pa.	114.7	113.4	104.5	104.2	112.7	105.9	120.8	115.4	140.8	136.2	97.1	106.4	119.6	116.9
Portland, Ore.	116.1	115.0	106.8	106.2	111.7	112.0	121.0	117.4	126.5	125.7	117.0	116.3	119.8	114.4
Mar., June, Sept., and Dec.:														
Atlanta, Ga.	117.6	(*)	111.1	(*)	115.0	(*)	117.2	(*)	129.1	(*)	111.2	(*)	117.6	(*)
Baltimore, Md.	115.0	115.0	103.5	102.9	108.1	106.1	132.6	125.2	140.1	138.2	113.0	116.7	119.0	116.8
Cincinnati, Ohio	115.3	113.2	104.9	106.0	109.7	108.7	123.0	117.6	131.6	127.7	99.7	101.5	115.2	112.0
St. Louis, Mo.	117.1	115.5	106.0	105.5	110.0	109.5	133.0	130.1	137.0	134.1	99.8	100.3	116.7	114.2
San Francisco, Calif.	116.9	114.5	105.1	105.4	112.9	113.0	122.6	119.2	143.6	140.3	104.7	102.1	115.3	111.9
Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1952
Feb., May, Aug., and Nov.:														
Cleveland, Ohio	115.1	114.0	104.9	105.5	113.8	111.5	126.7	119.6	125.1	122.3	113.7	104.1	116.5	117.1
Houston, Tex.	116.8	115.8	106.6	108.3	119.2	119.2	118.5	112.7	127.2	124.0	113.8	107.4	119.3	117.6
Seranton, Pa.	113.2	114.0	106.7	107.2	111.9	112.1	115.0	111.9	130.2	129.8	112.6	118.6	115.4	114.1
Seattle, Wash.	116.8	114.6	107.6	108.2	111.2	111.8	125.5	123.7	133.3	122.0	112.7	107.8	125.9	123.2
Washington, D. C.	114.2	114.1	104.0	103.5	111.4	112.1	117.7	116.8	128.8	123.5	109.2	109.6	125.8	122.0
Housing														
	Total housing		Rent		Gas and electricity		Solid fuels and fuel oil		House-furnishings		Household operation			
	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952	Oct. 1953	Oct. 1952
United States average.....	118.7	115.2	125.8	118.8	107.0	105.0	125.7	121.1	108.1	107.9	116.6	112.8		
Monthly:														
Chicago, Ill.	123.9	116.3	(*)	(*)	99.9	100.0	123.9	121.2	109.9	107.8	120.7	115.8		
Detroit, Mich.	120.9	114.8	133.8	117.9	109.6	103.0	119.2	116.5	111.3	110.3	106.9	107.9		
Los Angeles, Calif.	124.1	120.8	(*)	(*)	102.5	106.7	(*)	(*)	109.8	110.4	108.1	106.0		
New York, N. Y.	115.4	112.2	(*)	109.9	108.8	107.9	131.4	125.6	107.7	108.9	119.3	116.9		
Philadelphia, Pa.	113.4	111.6	(*)	(*)	102.3	101.8	124.3	122.8	110.5	110.0	113.2	108.2		
Jan., Apr., July, and Oct.:														
Boston, Mass.	117.7	113.9	(*)	(*)	105.8	105.9	125.7	122.4	108.8	106.3	109.8	107.8		
Kansas City, Mo.	118.5	115.5	131.5	120.9	104.0	101.7	113.2	111.5	108.0	106.8	121.1	118.1		
Minneapolis, Minn.	119.3	(*)	(*)	(*)	110.0	(*)	114.8	(*)	107.8	(*)	117.4	(*)		
Pittsburgh, Pa.	116.2	112.5	121.3	114.4	114.5	108.0	121.8	120.3	106.7	106.4	118.4	111.7		
Portland, Ore.	119.8	116.5	(*)	125.2	105.2	105.0	127.3	110.3	111.3	108.8	111.9	108.7		
Mar., June, Sept., and Dec.:														
Atlanta, Ga.	124.0	(*)	129.1	(*)	108.8	(*)	115.9	(*)	113.8	(*)	127.7	(*)		
Baltimore, Md.	113.6	112.7	121.7	118.9	97.4	97.1	124.5	123.7	103.2	103.2	109.2	107.1		
Cincinnati, Ohio	118.5	111.0	(*)	112.4	113.2	108.0	125.2	119.7	103.9	103.3	121.4	112.0		
St. Louis, Mo.	118.6	113.5	(*)	115.6	99.4	95.8	130.7	122.3	109.4	109.0	117.2	113.8		
San Francisco, Calif.	118.3	114.1	(*)	118.8	130.1	119.7	(*)	(*)	109.7	107.1	109.0	107.9		
Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1953	Aug. 1952	Aug. 1952
Feb., May, Aug., and Nov.:														
Cleveland, Ohio	118.2	112.4	130.7	118.6	106.8	102.7	121.0	117.0	105.0	104.8	110.4	101.0		
Houston, Tex.	122.5	119.8	137.5	134.5	106.5	105.6	(*)	(*)	103.8	106.6	120.3	109.3		
Seranton, Pa.	115.3	112.4	(*)	117.2	111.9	111.9	137.3	119.5	101.5	102.5	106.7	102.2		
Seattle, Wash.	118.9	115.8	132.9	123.0	99.0	98.2	127.0	112.7	107.6	109.7	110.2	108.6		
Washington, D. C.	116.4	115.5	(*)	118.0	117.0	114.9	130.2	125.1	108.6	107.7	113.1	113.0		

<sup>1</sup> See footnote 1 to table D-1.<sup>2</sup> See tables D-2, D-3, D-6, and D-7, for food.

\* Not available.

\* Atlanta formerly priced Feb., May, Aug., and Nov.

TABLE D-6: Consumer Price Index<sup>1</sup>—Food and its subgroups, by city

[1947-49=100]

City	Total food <sup>2</sup>			Food at home								
				Total food at home			Cereals and bakery products			Meats, poultry, and fish		
	Oct. 1953	Sept. 1953	Oct. 1952	Oct. 1953	Sept. 1953	Oct. 1952	Oct. 1953	Sept. 1953	Oct. 1952	Oct. 1953	Sept. 1953	Oct. 1952
United States average <sup>3</sup>	113.6	113.8	115.0	113.3	113.5	115.0	120.4	120.3	117.5	111.1	113.5	116.9
Atlanta, Ga.	114.6	114.7	113.9	114.6	114.7	113.9	115.5	113.8	115.2	117.9	118.9	116.8
Baltimore, Md.	114.0	114.7	114.6	113.4	114.3	114.6	116.6	116.9	117.5	113.0	115.7	117.0
Boston, Mass.	115.6	111.9	115.2	110.5	111.5	115.2	118.9	118.7	118.1	109.3	111.3	115.7
Chicago, Ill.	112.8	112.5	115.4	112.3	112.0	115.4	116.7	116.3	114.9	106.3	108.5	114.2
Cincinnati, Ohio	116.4	116.9	116.9	116.4	117.0	116.9	119.4	119.9	117.0	114.8	118.4	117.9
Cleveland, Ohio	111.5	111.3	115.4	111.4	111.2	115.4	116.9	117.0	114.0	107.1	109.5	118.1
Detroit, Mich.	116.1	116.7	118.4	115.2	116.3	118.4	118.2	118.5	115.4	110.6	114.4	118.5
Houston, Tex.	112.4	112.2	113.9	112.3	112.0	113.9	115.0	114.9	113.9	110.9	110.3	115.2
Kansas City, Mo.	111.1	111.5	114.4	110.9	111.0	114.4	120.2	120.4	117.5	107.3	109.1	116.7
Los Angeles, Calif.	113.8	113.8	113.7	112.8	112.9	113.7	122.3	122.6	117.5	111.4	112.4	119.5
Minneapolis, Minn.	113.4	112.8	116.2	113.2	112.6	116.2	122.3	121.7	119.1	103.9	105.9	115.4
New York, N. Y.	112.2	112.6	114.5	112.0	112.6	114.5	125.2	124.8	120.9	110.9	113.3	118.1
Philadelphia, Pa.	115.8	115.7	117.3	115.4	115.5	117.3	120.9	120.8	117.8	113.1	114.8	117.7
Pittsburgh, Pa.	115.0	115.7	115.2	114.9	115.7	115.2	119.3	119.8	116.0	108.6	111.8	113.1
Portland, Oreg.	113.6	113.8	115.1	113.5	114.0	115.1	117.7	117.6	113.0	114.2	117.2	125.8
St. Louis, Mo.	115.5	115.7	116.8	114.9	115.2	116.8	114.9	115.6	111.9	111.5	114.5	117.5
San Francisco, Calif.	114.4	114.1	112.5	114.3	114.0	112.5	127.3	127.8	120.8	110.8	112.0	119.0
Scranton, Pa.	113.3	113.2	114.9	113.0	112.8	114.9	118.4	116.6	116.1	111.0	112.7	117.2
Seattle, Wash.	112.0	112.6	114.4	111.8	112.5	114.4	122.3	122.4	117.0	109.5	111.5	117.2
Washington, D. C.	111.9	112.6	114.1	111.5	112.3	114.1	115.0	115.0	113.0	108.2	111.1	115.3

City	Food at home—Continued								
	Dairy products			Fruits and vegetables			Other foods at home <sup>4</sup>		
	Oct. 1953	Sept. 1953	Oct. 1952	Oct. 1953	Sept. 1953	Oct. 1952	Oct. 1953	Sept. 1953	Oct. 1952
United States average <sup>3</sup>	110.1	109.6	113.2	107.7	106.6	111.3	117.4	116.7	115.1
Atlanta, Ga.	110.2	110.1	113.2	114.9	115.8	115.4	111.2	109.2	109.0
Baltimore, Md.	111.9	112.1	112.1	108.2	107.7	112.2	115.1	115.5	112.8
Boston, Mass.	111.3	110.6	115.5	109.8	104.0	114.2	110.1	109.9	110.5
Chicago, Ill.	110.5	110.2	118.1	107.8	105.5	112.1	125.1	122.5	121.5
Cincinnati, Ohio	112.0	111.9	113.4	110.8	109.6	114.5	124.4	122.6	120.2
Cleveland, Ohio	108.0	105.9	113.7	104.7	102.7	110.0	120.2	118.7	116.6
Detroit, Mich.	109.6	109.4	113.5	114.1	114.3	121.9	119.0	118.3	115.8
Houston, Tex.	110.4	107.0	116.1	108.7	112.2	112.9	114.6	114.2	110.8
Kansas City, Mo.	108.3	108.7	115.9	105.4	103.8	109.3	114.2	113.1	111.0
Los Angeles, Calif.	108.6	108.5	111.2	103.5	103.2	102.9	117.7	116.8	112.6
Minneapolis, Minn.	106.6	106.7	113.5	115.6	111.0	115.7	125.1	123.0	120.6
New York, N. Y.	108.1	107.6	107.7	103.6	103.0	110.7	116.1	116.4	115.3
Philadelphia, Pa.	114.0	111.1	116.3	111.3	111.3	115.8	116.3	116.7	116.7
Pittsburgh, Pa.	112.3	112.5	111.8	110.7	108.7	114.5	126.3	126.3	121.6
Portland, Oreg.	109.4	109.4	111.6	104.5	102.7	104.0	119.4	119.5	114.1
St. Louis, Mo.	106.2	106.1	116.3	115.9	112.8	115.8	125.0	123.8	120.4
San Francisco, Calif.	110.0	109.9	112.8	111.4	107.3	106.8	115.7	116.0	114.1
Scranton, Pa.	112.6	112.4	110.6	103.6	102.1	112.7	116.5	115.6	113.8
Seattle, Wash.	106.9	106.9	112.8	106.6	105.5	108.1	114.6	115.4	113.7
Washington, D. C.	114.4	114.6	114.0	105.4	104.5	112.4	113.7	113.8	113.3

<sup>1</sup> See footnote 1 to table D-1. Indexes for 56 cities for total food (1935-39=100 or June 1940=100) were published in the March 1953 Monthly Labor Review and in previous issues. See table D-7 for U. S. average prices for 46 cities combined.

<sup>2</sup> See footnote 2 to table D-1.

<sup>3</sup> Average of 46 cities beginning January 1953. See footnote 1 to table D-1.

<sup>4</sup> See footnote 3 to table D-2.



TABLE D-7: Average retail prices of selected foods

Commodity	Oct. 1953	Sept. 1953	Jan. 1953	Commodity	Oct. 1953	Sept. 1953	Jan. 1953
<b>Cereals and bakery products:</b>	<b>Cents</b>	<b>Cents</b>	<b>Cents</b>	<b>All fruits and vegetables—Continued</b>	<b>Cents</b>	<b>Cents</b>	<b>Cents</b>
Flour, wheat.....5 pounds.....	52.1	52.0	52.3	<b>Fresh fruits and vegetables—Continued</b>			
Corn flakes <sup>1</sup> .....12 ounces.....	21.8	21.8	21.7	Oranges, size 200.....dozen.....	50.4	51.5	43.3
Cornmeal <sup>1</sup> .....pound.....	12.6	12.6	12.6	Grapefruit <sup>2</sup> .....each.....			10.3
Rice.....do.....	19.9	20.6	18.8	Grapes <sup>3</sup> .....pound.....		20.6	
Rolls oats.....20 ounces.....	18.4	18.4	18.3	Strawberries <sup>4</sup> .....pint.....			
Biscuit mix.....do.....	27.9	28.1	28.2	Watermelons <sup>5</sup> .....pound.....			
Bread, white.....pound.....	16.8	16.7	16.2	Beans, green.....do.....	21.0	19.5	32.4
Vanilla crackers <sup>6</sup> .....7 ounces.....	23.4	23.4	23.5	Cabbage.....do.....	7.0	7.1	7.6
Soda crackers.....pound.....	27.2	27.3	25.7	Carrots.....do.....	14.0	13.2	12.3
<b>Meats, poultry, and fish:</b>				Lettuce.....head.....	17.8	14.6	15.3
<b>Beef and veal:</b>				Onions.....pound.....	6.1	6.4	11.0
Round steak.....do.....	93.4	94.4	103.0	Potatoes.....15 pounds.....	69.3	69.4	104.3
Rib roast.....do.....	70.6	70.5	80.0	Sweet potatoes.....pound.....	11.8	12.7	17.5
Chuck roast.....do.....	53.5	53.4	63.6	Celery.....do.....	13.8	13.8	14.4
Hamburger.....do.....	42.7	43.2	53.8	Tomatoes.....do.....	19.6	15.5	31.6
Veal cutlets.....do.....	110.6	111.2	129.6	<b>Canned fruits and vegetables:</b>			
<b>Pork:</b>				Peaches.....No. 2½ can.....	33.4	33.8	34.0
Pork chops.....do.....	83.8	88.8	72.5	Pineapple.....do.....	38.7	38.7	38.4
Bacon.....do.....	87.5	89.1	65.2	Orange juice.....4½-ounce can.....	35.8	35.5	31.2
Ham, whole.....do.....	67.8	72.7	65.1	Fruit cocktail.....No. 2½ can.....	40.6	40.4	40.3
Lamb, leg.....do.....	69.6	69.7	72.3	Corn.....No. 303 can.....	19.0	19.0	19.2
<b>Other meats:</b>				Tomatoes.....No. 2 can.....	17.4	17.3	18.5
Frankfurters.....do.....	56.8	57.1	59.8	Peas.....No. 303 can.....	21.2	21.3	21.6
Luncheon meat, canned.....12 ounces.....	50.6	50.5	48.6	<b>Baby foods.....4½-5 ounces.....</b>	9.8	9.8	9.8
<b>Poultry:</b>				<b>Dried fruits and vegetables:</b>			
Frying chickens:				Prunes.....pound.....	29.3	29.3	28.4
Dressed <sup>7</sup> .....pound.....	46.8	47.8	49.9	Navy beans.....do.....	17.5	17.6	16.5
Ready-to-cook <sup>8</sup> .....do.....	59.3	60.1	62.6	<b>Other foods at home:</b>			
<b>Fish:</b>				<b>Partially prepared foods:</b>			
Ocean perch, fillet, frozen <sup>9</sup> .....do.....	43.4	43.5	44.5	Beans with pork.....16-ounce can.....	14.4	14.4	14.3
Haddock, fillet, frozen <sup>9</sup> .....do.....	49.3	48.9	50.9	Vegetable soup.....11-ounce can.....	14.3	14.3	14.3
Salmon, pink, canned.....16-ounce can.....	52.1	52.6	53.3	Oatmeal, sweet.....7½ ounces.....	30.0	29.6	29.3
Tuna fish, canned.....7-ounce can.....	38.4	38.5	37.9	Catsup.....14 ounces.....	22.3	22.2	22.8
<b>Dairy products:</b>				<b>Beverages, nonalcoholic:</b>			
Butter.....pound.....	78.9	78.3	80.3	Coffee.....pound.....	91.6	91.1	86.4
Cheese.....do.....	59.7	59.4	60.5	Tea.....½ pound.....	32.5	32.5	32.3
Milk, fresh (delivered) <sup>10</sup> .....quart.....	23.7	23.5	23.8	Cola drink.....carton of 6, 6 ounces.....	30.7	30.4	29.3
Milk, fresh (grocery).....do.....	22.6	22.5	22.8	<b>Fats and oils:</b>			
Ice cream.....pint.....	30.0	30.0	30.4	Lard.....pound.....	25.7	26.8	16.1
Milk, evaporated.....14½-ounce can.....	14.3	14.4	15.0	Shortening, hydrogenated.....do.....	34.0	34.1	32.8
<b>All fruits and vegetables:</b>				Salad dressing.....pint.....	34.6	34.7	34.2
<b>Frozen fruits and vegetables:</b>				Margarine, colored <sup>11</sup> .....pound.....	29.0	29.2	29.9
Strawberries.....12 ounces.....	37.4	37.2	38.5	Peanut butter.....do.....	49.0	49.1	49.0
Orange juice concentrate.....6 ounces.....	21.7	21.4	18.5	<b>Sugar and sweets:</b>			
Peas, frozen.....12 ounces.....	23.2	22.9	24.4	Sugar.....5 pounds.....	53.2	53.1	52.9
Beans, green.....10 ounces.....	24.2	24.2	24.3	Corn syrup.....24 ounces.....	23.5	23.5	23.5
<b>Fresh fruits and vegetables:</b>				Grape jelly.....12 ounces.....	24.6	24.6	23.9
Apples.....pound.....	13.1	13.9	14.2	Chocolate bar.....1-ounce bar.....	4.5	4.5	4.5
Bananas.....do.....	16.9	16.8	16.2	Eggs, Grade A, large.....dozen.....	79.5	77.8	66.9
Peaches <sup>12</sup> .....do.....		15.2		<b>Miscellaneous foods:</b>			
Lemons.....do.....	19.8	22.5		Gelatin, flavored.....2-5 ounces.....	8.5	8.5	8.6

<sup>38</sup> cities.  
<sup>41</sup> cities.  
<sup>12</sup> cities.  
<sup>34</sup> cities.  
<sup>42</sup> cities.

<sup>36</sup> cities.  
<sup>45</sup> cities.  
<sup>40</sup> cities.  
<sup>44</sup> cities beginning July 1953, 43 cities December 1953 through June 1953.  
<sup>11</sup> Priced only in season.

NOTE.—The United States average retail food prices appearing in table D-7 are based on prices collected monthly in 46 cities for use in the calculation of the food component of the revised Consumer Price Index. Average retail food prices for each of 20 large cities are published monthly and are available upon request. Prices for the 26 medium-sized and small cities are not published on an individual city basis.

TABLE D-8: Indexes of wholesale prices, by group and subgroup of commodities<sup>1</sup>

Commodity group	Oct. 1953	Sept. 1953	Aug. 1953	July 1953	June 1953	May 1953	Apr. 1953	Mar. 1953	Feb. 1953	Jan. 1953	Dec. 1952	Nov. 1952	Oct. 1952	June 1950
All commodities	110.2	111.0	110.6	110.9	109.5	109.8	109.4	110.0	109.6	109.9	109.6	110.7	111.1	100.2
Farm products	95.2	*98.1	98.4	97.9	95.4	97.8	97.3	99.8	97.9	99.6	99.2	103.8	104.9	94.8
Fresh and dried produce	95.1	96.0	98.0	94.7	109.9	105.4	109.9	105.8	102.2	107.3	112.3	113.2	111.7	80.8
Grains	87.9	*88.3	86.5	85.4	84.2	93.4	93.8	94.7	93.1	94.6	96.1	96.5	95.0	89.6
Livestock and poultry	82.0	90.6	88.1	95.9	86.8	91.7	87.5	91.7	91.2	92.7	86.8	93.0	94.8	99.8
Plant and animal fibers	103.2	103.6	102.9	105.0	104.0	104.3	103.4	104.6	102.7	100.9	101.9	101.7	100.6	107.3
Fluid milk	99.6	*99.0	97.6	96.4	93.1	93.6	96.7	100.5	103.0	108.3	106.9	113.1	114.8	81.6
Eggs	126.3	122.5	113.8	106.2	106.5	98.7	102.5	100.6	89.1	93.9	96.6	117.6	124.9	79.6
Hay and seeds	84.3	*81.1	85.1	85.5	89.8	93.7	95.3	97.5	94.9	97.2	98.3	98.5	96.7	87.6
Other farm products	146.2	*149.3	144.3	140.7	136.7	135.4	137.1	142.5	134.5	133.3	134.7	132.5	136.0	122.4
Processed foods	104.7	*106.6	104.8	105.5	103.3	104.3	103.2	104.1	105.2	105.5	104.3	107.7	108.5	96.8
Cereal and bakery products	112.0	*110.8	109.4	108.5	107.9	109.0	109.2	108.9	107.6	106.8	106.8	107.1	106.4	96.5
Meats, poultry, fish	89.0	*97.4	93.6	97.0	91.6	90.8	89.2	91.2	98.2	99.3	93.9	102.0	104.1	102.4
Dairy products and ice cream	112.7	111.3	110.7	110.0	107.7	107.9	108.5	109.7	110.9	111.9	113.0	115.5	115.9	90.0
Canned, frozen, fruits and vegetables	105.0	104.7	104.7	105.0	103.7	104.0	104.4	105.1	105.5	105.4	105.0	106.0	105.9	96.0
Sugar and confectionery	110.2	110.1	110.5	109.8	109.8	109.6	109.7	109.6	108.0	108.0	109.0	110.7	104.7	94.7
Packaged beverage materials	169.8	169.8	169.8	169.8	164.6	164.6	168.1	168.9	161.9	161.9	161.9	161.9	161.9	136.6
Animal fats and oils	94.5	*106.8	82.2	72.4	60.9	64.2	60.4	60.2	53.8	82.1	51.0	57.0	58.4	63.9
Crude vegetable oils	70.1	*65.7	62.9	63.1	68.4	70.5	75.4	75.6	70.5	70.4	71.1	66.8	63.9	67.9
Refined vegetable oils	73.3	68.8	70.9	78.0	79.8	79.8	79.8	79.8	69.9	77.0	80.3	67.0	64.9	67.4
Vegetable oil and products	80.3	80.3	83.4	84.0	84.6	86.3	85.0	84.3	83.3	83.8	81.7	81.1	81.7	76.2
Other processed foods	117.1	116.8	116.7	117.3	120.2	121.5	120.5	120.9	114.4	113.8	116.9	122.1	124.8	106.6
All commodities other than farm and foods	114.5	*114.7	114.9	114.8	113.9	113.6	113.2	113.4	113.1	113.1	112.9	112.8	113.0	102.9
Textile products and apparel	96.5	*96.9	97.5	97.5	97.4	97.6	97.4	97.5	98.5	98.8	98.2	98.8	99.2	93.3
Cotton products	92.4	93.7	94.1	94.1	93.4	93.3	92.9	93.1	96.1	97.0	97.7	98.4	99.2	90.0
Wool products	111.6	111.2	111.8	111.7	111.6	112.0	111.3	111.9	111.5	113.0	112.6	112.6	113.2	105.3
Semi-synthetic textiles	85.9	86.7	86.7	87.5	87.4	88.0	87.0	88.3	88.1	87.8	89.0	89.5	91.3	81.3
Silk products	135.8	134.7	134.7	134.7	134.7	133.0	131.6	141.4	141.4	141.4	139.7	139.3	140.0	88.8
Apparel	98.5	*98.5	99.3	99.3	99.4	99.9	99.9	99.9	99.9	100.0	98.3	98.3	98.4	92.7
Other textile products	82.7	82.9	86.5	85.3	85.5	83.8	82.5	82.8	83.5	83.1	84.4	86.9	94.5	96.3
Hides, skins, and leather products	97.0	99.7	99.9	100.0	101.0	100.4	97.9	98.1	98.0	97.3	99.0	97.6	96.6	99.1
Hides and skins	64.4	74.2	74.6	73.4	78.3	74.8	66.4	64.8	66.5	62.1	70.6	69.2	65.0	94.3
Leather	90.4	94.5	95.0	96.1	98.0	97.3	92.7	93.5	91.9	92.0	92.9	90.1	89.0	98.2
Footwear	111.7	111.8	111.7	111.7	111.7	111.5	111.5	112.1	112.1	112.0	112.0	111.0	110.6	102.7
Other leather products	98.5	*99.1	99.5	99.7	100.3	100.0	99.3	99.0	99.0	99.2	100.3	99.6	99.2	95.2
Fuel, power, and lighting materials	111.0	*110.9	111.0	111.1	108.3	107.1	107.4	108.4	108.1	107.8	107.2	106.7	106.6	102.4
Coal	112.5	112.3	111.7	111.8	111.2	110.8	111.2	114.4	115.9	116.3	116.1	115.6	113.3	104.8
Coke	132.5	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	131.8	129.0	124.3	124.3	115.6
Gas	106.0	*106.0	105.7	106.1	108.2	109.5	109.5	109.5	109.5	108.0	104.9	104.9	104.0	94.8
Electricity	98.0	*98.0	99.1	98.5	98.5	97.4	98.0	100.7	100.7	99.6	98.5	98.0	98.5	101.8
Petroleum and products	116.6	116.5	116.5	116.5	111.1	109.4	109.3	109.0	107.9	107.9	107.9	108.1	108.5	103.1
Chemicals and allied products	106.7	106.7	106.3	106.2	105.6	105.5	105.4	106.2	106.6	106.6	106.3	106.5	106.9	92.1
Industrial chemicals	119.5	120.0	120.2	120.2	119.2	118.0	117.0	113.9	113.1	112.7	112.7	113.3	113.9	98.3
Paint and paint materials	107.8	*107.3	106.3	106.1	106.1	106.1	106.0	106.0	105.9	106.2	106.1	106.3	106.5	94.6
Drugs, pharmaceuticals, cosmetics	93.5	93.5	93.5	93.6	93.1	93.1	93.0	91.6	91.4	91.5	91.3	91.9	92.0	91.3
Fats and oils, inedible	53.4	51.1	46.9	46.7	46.6	49.9	55.9	59.0	52.7	83.5	82.8	53.1	51.0	48.8
Mixed fertilizer	111.7	*112.0	111.2	110.6	110.7	110.7	110.7	110.7	110.8	111.2	111.1	110.9	110.7	101.2
Fertilizer materials	112.9	113.0	113.8	113.8	110.6	112.9	113.2	112.8	112.7	112.9	113.0	111.1	111.0	98.5
Other chemicals and products	103.4	103.3	102.9	102.8	102.6	103.0	103.1	102.9	102.9	103.1	105.1	102.9	103.6	91.1
Rubber and products	124.2	*124.0	123.5	124.6	125.0	125.4	124.8	125.7	126.2	127.3	127.7	126.4	126.6	109.8
Crude rubber	111.3	120.1	120.0	121.1	122.7	124.2	122.3	126.6	129.4	135.5	137.3	138.3	126.6	129.0
Tire casings and tubes	130.1	126.4	125.1	126.4	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	106.1
Other rubber products	123.2	*123.0	123.2	124.1	124.5	124.7	124.2	124.3	124.3	124.3	124.3	124.3	124.3	103.6
Lumber and wood products	118.4	119.2	120.4	121.1	121.5	121.8	122.2	121.7	121.1	120.8	119.7	119.7	120.2	112.4
Lumber	117.5	118.3	119.3	120.2	120.7	121.0	121.5	120.9	120.3	120.1	119.8	120.0	120.2	113.5
Millwork	131.2	*131.4	131.7	131.6	132.0	132.0	132.0	131.9	131.9	129.3	128.3	127.5	127.7	110.9
Plywood	104.7	*106.8	112.4	112.7	112.4	112.4	112.4	112.0	110.9	108.5	107.3	107.3	106.1	101.7
Pulp, paper, and allied products	117.5	116.9	116.2	115.8	115.8	115.4	115.3	115.1	116.3	115.8	115.9	115.5	115.5	95.0
Woodpulp	109.7	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	109.3	90.6
Wastepaper	112.9	109.6	98.5	85.0	85.0	88.3	83.8	83.8	87.0	89.3	89.3	65.7	71.2	70.0
Paper	125.5	126.5	125.9	125.1	124.7	124.9	124.9	124.9	124.9	124.9	124.9	124.9	124.9	103.3
Paperboard	126.2	126.0	123.6	123.7	123.2	123.1	123.1	123.1	123.1	124.2	124.4	124.9	124.6	97.2
Converted paper and paperboard	113.2	112.3	112.1	112.1	112.4	111.4	111.4	111.1	111.8	112.3	112.3	112.3	112.3	95.2
Building paper and board	123.0	123.0	123.0	123.0	123.0	123.0	118.2	118.2	118.2	118.2	118.2	118.2	118.2	106.3
Metals and metal products	127.8	*128.5	129.4	129.3	129.9	129.7	129.7	129.7	129.7	129.7	129.7	129.7	129.7	108.8
Iron and steel	133.4	*134.6	135.7	135.7	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	135.9	113.1
Nonferrous metals	122.1	122.8	124.5	126.4	127.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6	126.6	101.8
Metal containers	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	128.6	100.0
Hardware	136.9	*136.9	135.6	134.7	134.5	133.2	127.9	126.2	125.9	125.9	125.9	125.3	125.3	111.1
Lumbering equipment	118.5	118.7	118.7	116.4	115.8	113.8	113.8	114.3	114.3	113.6	115.1	118.1	118.1	103.2
Heating equipment	115.8	115.8	115.6	115.1	114.6	114.4	113.8	113.9	113.9	113.8	113.6	113.6	113.7	102.6
Structural metal products	117.7	117.9	117.8	117.5	114.4	113.6	113.6	113.6	113.9	113.9	113.9	114.1	114.0	100.1
Nonstructural metal products	127.1	127.0	126.3	125.4	124.1	124.0	122.8	122.2	126.7	126.5	126.5	125.9	125.8	113.2

See footnotes at end of table.

TABLE D-8: Indexes of wholesale prices, by group and subgroup of commodities<sup>1</sup>—Continued

(1947-49=100)

Commodity group	Oct. 1952 <sup>2</sup>	Sept. 1953	Aug. 1953	July 1953	June 1953	May 1953	Apr. 1953	Mar. 1953	Feb. 1953	Jan. 1953	Dec. 1952	Nov. 1952	Oct. 1952	June 1950
<b>Machinery and motive products</b>	124.1	124.0	123.7	123.4	122.9	122.4	122.0	121.8	121.6	121.5	121.4	121.4	121.3	106.3
Agricultural machinery and equipment	122.4	122.3	122.3	122.7	122.6	122.4	122.3	122.2	121.8	121.8	121.7	121.6	121.6	108.3
Construction machinery and equipment	131.0	130.9	130.5	130.8	129.4	129.1	128.6	127.1	126.2	126.2	126.3	126.2	125.8	108.1
Metalworking machinery	132.7	132.8	131.9	131.8	131.3	130.1	129.8	129.1	129.0	129.0	129.0	128.9	129.1	108.8
General purpose machinery and equipment	128.2	127.9	126.9	125.8	124.9	123.8	123.8	122.1	122.0	121.9	121.9	121.8	121.8	107.0
Miscellaneous machinery	124.1	124.2	123.9	123.3	122.4	122.0	120.6	120.3	120.1	119.7	119.6	119.6	119.4	105.0
Electrical machinery and equipment	126.5	126.2	125.6	124.8	124.2	122.6	121.3	119.9	119.7	119.6	119.6	119.5	119.0	102.1
Motor vehicles	118.6	118.6	118.6	118.6	118.6	118.6	118.9	120.0	119.9	119.8	119.7	119.7	119.7	106.7
<b>Furniture and other household durables</b>	114.8	114.9	114.8	114.7	114.3	114.1	113.9	113.1	112.9	112.7	112.3	112.1	112.0	103.1
Household furniture	114.2	114.2	113.8	113.8	114.1	114.0	113.8	113.6	113.4	113.2	113.0	112.8	112.6	101.8
Commercial furniture	125.8	125.8	125.8	125.8	125.7	124.3	123.2	123.2	123.2	123.0	123.2	123.2	123.2	106.2
Floor coverings	125.2	125.2	125.3	125.2	124.8	125.0	124.2	124.1	124.1	124.1	122.7	122.4	122.4	109.1
Household appliances	109.0	109.1	108.9	108.8	108.1	108.0	107.9	107.4	107.4	107.4	107.2	107.2	107.2	100.1
Radios	94.8	94.8	95.0	95.0	95.4	94.9	94.9	95.5	95.5	95.0	95.0	(?)	(?)	(?)
Television sets	74.2	74.2	74.0	74.3	75.0	74.9	74.9	74.9	75.6	74.5	74.9	(?)	(?)	(?)
Other household durable goods	126.8	126.9	126.9	126.7	125.5	125.4	125.4	121.8	121.7	121.2	119.6	119.6	119.5	106.8
<b>Nonmetallic minerals—structural</b>	120.7	120.7	119.6	119.4	118.1	117.2	116.9	115.1	114.6	114.6	114.6	114.5	114.4	105.4
Flat glass	124.7	124.7	124.7	124.7	122.9	116.4	116.4	116.4	114.4	114.4	114.4	114.4	114.4	105.6
Concrete ingredients	119.4	119.3	118.6	118.4	118.2	117.9	117.6	113.8	113.1	113.1	113.1	112.9	112.9	105.7
Concrete products	117.4	117.4	116.1	115.6	115.5	115.5	114.2	112.8	112.8	112.8	112.7	112.7	112.7	104.5
Structural clay products	132.0	132.0	131.4	131.1	125.1	124.7	124.6	124.3	124.0	124.0	124.0	124.0	124.0	110.5
Gypsum products	122.1	122.1	122.1	122.1	122.1	122.1	118.3	117.7	117.7	117.7	117.7	117.7	117.7	102.3
Prepared asphalt roofing	109.9	109.8	103.8	105.8	106.2	106.0	106.0	106.0	106.0	106.0	106.0	106.0	106.0	98.9
Other nonmetallic minerals	118.0	117.8	117.8	117.3	116.4	115.3	115.3	115.3	115.3	115.3	115.3	115.1	112.7	105.7
<b>Tobacco manufactures and bottled beverages</b>	118.1	118.2	115.6	115.6	114.9	114.8	114.8	111.9	111.9	110.8	110.8	110.8	110.8	101.4
Cigarettes	124.0	124.0	124.0	124.0	124.0	124.0	124.0	112.0	112.0	112.0	105.7	105.7	105.7	102.8
Cigars	103.5	103.5	103.5	103.5	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.4	102.4	100.6
Other tobacco products	120.7	120.7	120.7	120.7	120.7	121.5	121.5	122.4	120.3	120.3	118.4	118.4	118.4	103.3
Alcoholic beverages	114.9	111.2	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	111.2	111.2	111.2	100.9
Nonalcoholic beverages	125.1	125.1	125.1	125.1	120.6	119.9	119.8	119.8	119.8	119.7	119.7	119.7	119.7	100.8
<b>Miscellaneous</b>	94.4	94.7	96.4	95.3	95.8	99.7	98.5	101.7	101.2	103.0	105.1	105.7	105.4	96.9
Toys, sporting goods, small arms	114.1	114.0	114.0	114.1	114.0	114.0	113.7	112.9	112.8	112.8	113.1	113.2	113.2	104.8
Manufactured animal feeds	81.0	81.6	85.6	82.7	83.7	91.1	88.7	95.0	94.4	97.9	102.1	103.3	108.4	93.7
Notions and accessories	93.5	93.5	93.5	93.2	93.2	93.2	93.2	94.3	92.9	92.9	92.9	91.1	90.9	88.7
Jewelry, watches, photo equipment	102.0	102.0	101.8	101.8	101.9	101.8	101.8	101.8	101.0	101.0	101.0	101.0	101.0	100.0
Other miscellaneous	119.5	119.3	119.6	119.8	119.9	120.3	121.1	121.0	121.2	120.5	120.8	120.8	120.8	105.4

<sup>1</sup> The revised wholesale price index (1947-49=100) is the official index for January 1952 and subsequent months. The official index for December 1951 and previous dates is the former index (1926=100). The revised index has been computed back to January 1947 for purposes of comparison and analysis. Prices are collected from manufacturers and other producers. In some cases they are secured from trade publications or from other Government agencies which collect price quotations in the course of their regular work. For a more detailed description of the index, see A Description of the Revised Wholesale Price Index, Monthly Labor Review, February 1952 (p. 180), or reprint Serial No. R. 2067.

<sup>2</sup> Preliminary.

<sup>3</sup> Not available.

<sup>4</sup> Figures shown in this series are the official indexes. Beginning with January 1953 the method of calculating excise taxes and discounts was changed and official indexes for earlier dates are not strictly comparable with these. For analytical purposes indexes prior to 1953 have been recalculated for comparability and are available on request.

<sup>5</sup> Revised.

TABLE D-9: Special wholesale price indexes<sup>1</sup>

(1947-49=100)

Commodity group	1953										1952		1950	
	Oct. <sup>2</sup>	Sept.	Aug.	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	June
<b>All foods</b>	105.2	106.8	104.8	104.9	103.8	104.1	103.4	104.0	104.1	105.0	104.5	108.6	109.5	95.0
All fish	111.3	104.9	107.8	102.5	100.9	106.5	98.9	102.8	108.0	110.5	104.6	113.2	101.6	92.4
<b>Special metals and metal products</b>	125.7	126.2	126.8	126.8	125.0	124.1	123.6	124.2	123.8	123.0	123.0	122.9	123.1	108.3
Metalworking machinery	139.6	139.7	139.1	138.8	138.7	138.2	137.6	136.6	136.8	136.4	136.4	136.3	136.3	109.8
Machinery and equipment	127.2	127.1	126.5	126.0	125.3	124.4	123.7	122.8	122.8	122.4	122.4	122.3	122.2	106.1
Total tractors	124.1	124.1	123.7	124.3	123.8	123.8	123.6	122.8	121.7	121.7	121.6	121.5	121.3	107.5
Steel mill products	142.5	142.6	142.7	142.7	137.1	134.4	131.1	131.1	130.9	131.1	130.9	130.9	131.0	115.9
Building materials	120.1	120.4	120.8	121.3	120.5	120.2	119.9	119.2	118.7	118.6	118.3	118.4	118.6	107.5
Soaps	86.5	86.2	85.8	85.8	85.5	87.1	87.2	86.7	86.6	87.1	87.2	86.8	87.0	80.9
Synthetic detergents	91.0	91.0	91.0	90.8	90.8	90.8	90.8	91.8	91.8	91.8	91.8	91.8	91.8	82.9
<b>Refined petroleum products</b>	115.8	115.6	115.6	116.1	109.1	109.1	108.9	108.6	107.2	107.7	107.7	108.0	108.4	102.1
East coast petroleum	113.5	113.8	113.8	113.8	107.3	107.8	109.3	108.5	108.8	111.6	111.8	111.8	111.8	98.1
Mid-continent petroleum	110.1	109.6	109.6	109.7	100.0	96.6	96.6	96.6	96.7	101.0	101.0	101.8	101.8	101.8
Gulf coast petroleum	122.8	122.8	122.8	124.1	116.8	116.8	115.2	114.6	114.6	115.0	115.0	115.0	115.0	109.7
Pacific coast petroleum	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	108.7	104.2	104.2	104.2	104.2	94.7
Pulp, paper and products, excl. bldg. paper	117.4	116.7	116.1	115.6	115.6	115.2	115.2	115.0	115.2	115.7	115.8	115.4	115.5	95.6

<sup>1</sup> See footnote 1, table D-8.

<sup>2</sup> Preliminary.

<sup>3</sup> Revised.

## E: Work Stoppages

TABLE E-1: Work stoppages resulting from labor-management disputes <sup>1</sup>

Month and year	Number of stoppages		Workers involved in stoppages		Man-days idle during month or year	
	Beginning in month or year	In effect during month	Beginning in month or year	In effect during month	Number	Percent of estimated working time
1935-39 (average)	2,892		1,130,000		16,900,000	0.27
1947-49 (average)	3,573		2,380,000		39,740,000	.46
1945	4,750		3,470,000		38,000,000	.47
1946	4,985		4,600,000		116,000,000	1.43
1947	3,693		2,170,000		34,600,000	.41
1948	3,419		1,960,000		34,100,000	.37
1949	3,596		3,030,000		50,500,000	.59
1950	4,843		2,410,000		38,800,000	.44
1951	4,737		2,220,000		22,900,000	.23
1952 <sup>2</sup>	5,117		3,540,000		59,100,000	.57
1952: October	459	768	450,000	584,000	8,000,000	.53
November	269	325	98,800	215,000	1,560,000	.20
December	179	369	33,600	82,300	854,000	.09
1953: January <sup>3</sup>	350	500	200,000	230,000	1,250,000	.15
February <sup>4</sup>	350	550	120,000	200,000	1,000,000	.12
March <sup>4</sup>	450	650	180,000	230,000	1,100,000	.12
April <sup>4</sup>	500	700	275,000	350,000	2,500,000	.27
May <sup>4</sup>	525	750	270,000	370,000	3,000,000	.34
June <sup>4</sup>	500	725	250,000	400,000	3,750,000	.40
July <sup>4</sup>	475	700	290,000	410,000	3,000,000	.30
August <sup>4</sup>	450	675	230,000	400,000	2,800,000	.31
September <sup>4</sup>	375	600	110,000	210,000	1,550,000	.17
October <sup>4</sup>	350	550	100,000	250,000	1,450,000	.15

<sup>1</sup> All known work stoppages arising out of labor-management disputes, involving six or more workers and continuing as long as a full day or shift are included in reports of the Bureau of Labor Statistics. Figures on "workers involved" and "man-days idle" cover all workers made idle for one or more shifts in establishments directly involved in a stoppage. They do not

measure the indirect or secondary effects on other establishments or industries whose employees are made idle as a result of material or service shortages.

<sup>2</sup> Does not include memorial stoppage in coal mining industry.

<sup>3</sup> Preliminary.



## F: Building and Construction

TABLE F-1: Expenditures for new construction <sup>1</sup>

[Value of work put in place]

Type of construction	Expenditures (in millions)													
	1953												1952	1951
	Nov. <sup>2</sup>	Oct. <sup>3</sup>	Sept.	Aug.	July	June	May	April	Mar.	Feb.	Jan.	Dec.	Nov.	Total
Total new construction <sup>4</sup>	\$2,908	\$3,214	\$3,290	\$3,319	\$3,270	\$3,199	\$2,941	\$2,735	\$2,521	\$2,278	\$2,361	\$2,550	\$2,858	\$32,638
Private construction	2,047	2,118	2,165	2,199	2,181	2,149	1,988	1,831	1,729	1,575	1,627	1,765	1,934	21,812
Residential building (nonfarm)	1,020	1,055	1,077	1,105	1,111	1,110	1,007	944	863	758	816	942	1,024	11,100
New dwelling units	900	930	950	970	973	980	880	830	770	653	735	850	915	9,850
Additions and alterations	95	100	102	110	112	107	105	94	74	64	63	74	91	1,045
Nonhousekeeping <sup>5</sup>	25	25	25	25	24	23	22	20	19	19	18	18	18	185
Nonresidential building (nonfarm) <sup>6</sup>	522	511	506	498	492	479	451	426	430	434	431	433	443	5,014
Industrial	178	178	179	179	178	187	192	193	198	204	201	193	194	2,320
Commercial	190	178	174	168	165	152	129	113	114	112	109	112	113	1,137
Warehouses, office, and loft buildings	79	75	71	66	60	56	52	49	49	50	51	50	49	515
Stores, restaurants, and garages	111	103	103	102	105	96	77	64	65	62	58	62	64	622
Other nonresidential building	154	155	153	151	149	140	130	120	118	115	121	128	136	1,577
Religious	46	46	45	43	41	38	35	33	33	34	35	37	38	399
Educational	41	41	39	38	36	34	32	31	30	31	32	33	33	351
Social and recreational	17	16	15	15	15	14	13	11	10	10	11	11	12	125
Hospital and institutional <sup>7</sup>	26	26	26	27	27	26	25	25	26	26	27	28	30	394
Miscellaneous	24	26	28	28	30	28	24	20	19	17	16	19	23	288
Farm construction	100	119	144	158	155	148	138	120	108	100	97	97	112	1,610
Public utilities	396	423	428	427	450	399	380	352	320	275	275	314	347	4,003
Railroad	45	49	44	44	43	41	40	40	34	27	29	43	38	438
Telephone and telegraph	50	55	54	54	53	52	52	48	48	43	44	45	48	570
Other public utilities	301	319	330	329	314	306	288	264	238	205	202	226	261	2,995
All other private <sup>8</sup>	9	10	10	11	13	13	12	9	8	8	8	9	8	85
Public construction	951	1,096	1,125	1,120	1,089	1,050	953	884	792	703	734	755	924	10,826
Residential building <sup>9</sup>	41	45	47	43	46	50	49	49	47	48	47	49	49	654
Nonresidential building (other than military or naval facilities)	362	374	378	373	372	384	374	369	353	315	328	342	361	4,119
Industrial	140	145	150	154	154	169	162	158	153	123	131	142	154	1,667
Educational	158	160	155	150	147	142	140	139	133	131	132	134	136	1,619
Hospital and institutional	22	23	25	26	28	32	33	34	33	33	34	36	38	473
Other nonresidential	42	46	48	43	43	41	39	38	34	28	31	30	33	360
Military and naval facilities <sup>10</sup>	105	112	116	121	121	121	115	114	111	104	109	111	121	1,388
Highways	280	300	400	405	375	330	260	200	140	110	115	112	210	2,860
Sewer and water	67	69	73	71	67	63	61	60	57	54	56	56	58	692
Miscellaneous public service enterprises <sup>11</sup>	18	21	23	19	19	17	15	14	13	11	13	13	16	193
Conservation and development	68	74	76	77	79	76	70	70	65	66	61	67	74	854
All other public <sup>12</sup>	10	11	12	11	10	9	9	8	6	5	5	5	5	66

<sup>1</sup> Joint estimates of the Bureau of Labor Statistics, U. S. Department of Labor, and the Building Materials Division, U. S. Department of Commerce. Estimated construction expenditures represent the monetary value of the volume of work accomplished during the given period of time. These figures should be differentiated from permit valuation data reported in the tabulations for building authorized (tables F-3 and F-4) and the data on value of contract awards reported in table F-2.

<sup>2</sup> Preliminary.

<sup>3</sup> Revised.

<sup>4</sup> Includes major additions and alterations.

<sup>5</sup> Includes hotels, dormitories, and tourist courts and cabins.

<sup>6</sup> Expenditures by privately owned public utilities for nonresidential building are included under "Public utilities."

<sup>7</sup> Includes Federal contributions toward construction of private nonprofit hospital facilities under the National Hospital Program.

<sup>8</sup> Covers privately owned sewer and water facilities, roads and bridges, and miscellaneous nonbuilding items such as parks and playgrounds.

<sup>9</sup> Includes nonhousekeeping public residential construction as well as housekeeping units.

<sup>10</sup> Covers all construction, building as well as nonbuilding (except for production facilities, which are included in public industrial building).

<sup>11</sup> Covers primarily publicly owned airports, electric light and power systems, and local transit facilities.

<sup>12</sup> Covers public construction not elsewhere classified such as parks, playgrounds, and memorials.

TABLE F-2: Value of contracts awarded and force-account work started on federally financed new construction, by type of construction <sup>1</sup>

Type of construction	Value (in thousands)														
	1953 <sup>1</sup>										1952 <sup>2</sup>		1951 <sup>3</sup>	1950 <sup>4</sup>	
	Sept.	Aug. <sup>5</sup>	July <sup>6</sup>	June <sup>7</sup>	May <sup>8</sup>	Apr. <sup>9</sup>	Mar. <sup>10</sup>	Feb. <sup>11</sup>	Jan. <sup>12</sup>	Dec. <sup>13</sup>	Nov.	Oct.	Sept.	Total	Total
Total new construction <sup>14</sup>	\$161,432	\$208,352	\$170,228	\$352,393	\$261,092	\$355,132	\$235,796	\$198,606	\$237,344	\$645,851	\$337,705	\$294,344	\$518,056	\$4,750,311	\$4,230,552
Airfields <sup>15</sup>	8,160	11,191	12,651	10,274	4,773	21,246	16,637	4,401	9,877	12,661	17,442	13,740	8,849	140,991	278,630
Building	43,371	62,697	41,624	132,074	112,102	217,155	76,083	129,168	152,984	194,654	223,273	143,316	373,397	2,596,961	2,183,951
Residential	394	30	(*)	3,412	620	3,025	580	4,807	2,224	1,171	797	2,383	1,172	21,296	8,966
Nonresidential	42,977	62,667	41,624	128,662	111,482	214,130	75,503	124,361	150,760	193,483	222,476	140,933	372,225	2,575,665	2,174,985
Educational <sup>16</sup>	10,356	18,380	16,557	18,429	20,150	18,794	18,238	14,340	11,651	15,679	14,771	13,046	10,311	130,949	60,570
Hospital and institutional	8,512	6,283	10,088	18,490	23,790	6,097	10,119	7,949	18,756	9,516	15,788	19,499	4,985	211,877	305,787
Administrative and general <sup>17</sup>	1,959	2,135	1,719	4,506	4,462	4,220	1,978	1,785	4,931	3,538	3,122	3,245	5,394	43,195	87,462
Other nonresidential building	22,150	35,899	13,290	87,237	63,080	185,019	45,168	100,287	115,422	164,750	188,795	105,143	351,535	2,187,644	1,751,186
Airfield buildings <sup>18</sup>	3,900	2,630	1,110	17,659	10,584	12,032	2,360	8,301	8,397	12,819	7,754	11,456	1,858	80,671	91,911
Industrial <sup>19</sup>	8,815	21,280	6,315	36,004	33,849	147,136	16,673	85,091	74,657	111,690	139,666	46,896	302,347	1,305,481	897,055
Troop housing <sup>20</sup>	823	3,077	2,378	9,483	4,567	6,739	15,049	1,612	13,862	14,530	17,736	7,522	11,933	285,602	225,009
Warehouses	3,406	160	880	8,382	5,262	4,962	2,977	1,110	8,667	8,167	15,441	20,102	12,007	276,455	75,824
Miscellaneous <sup>21</sup>	5,206	8,722	2,577	15,709	8,818	14,150	8,109	4,173	9,839	17,554	8,198	19,165	23,390	239,435	400,783
Conservation and development	9,770	14,663	11,564	31,396	14,179	10,665	40,302	4,379	21,444	18,852	20,969	31,634	27,581	287,498	398,441
Reclamation	1,844	11,086	4,080	4,540	9,419	3,083	5,577	444	10,461	8,724	3,456	6,902	13,970	92,916	80,928
River, harbor, and flood control	7,926	3,577	7,504	26,856	4,760	7,582	34,725	3,935	10,983	13,128	17,513	24,732	13,611	194,582	309,913
Highways	97,543	105,629	94,738	122,202	110,664	92,771	90,692	47,092	42,101	58,793	48,714	77,715	79,002	1,005,908	850,946
Electrification	537	10,895	5,293	40,069	11,815	2,981	4,743	8,709	3,304	346,455	10,935	2,633	9,153	515,962	305,193
All other <sup>22</sup>	2,031	3,477	4,358	16,378	7,559	10,314	7,339	4,857	7,634	16,434	16,372	25,306	16,074	183,091	214,190

<sup>1</sup> Excludes classified military projects, but includes projects for the Atomic Energy Commission. Data for Federal-aid programs cover amounts contributed by both owner and the Federal Government. Force-account work is done not through a contractor, but directly by a Government agency, using a separate work force to perform nonmaintenance construction on the agency's own properties.

<sup>2</sup> Beginning with data for January 1953, awards of less than \$25,000 in value are excluded; over the past 2 years the total value of such awards has represented less than 1% of the total.

<sup>3</sup> Revised.

<sup>4</sup> Includes major additions and alterations.

<sup>5</sup> Excludes hangars and other buildings, which are included under "Other nonresidential" building construction.

<sup>6</sup> Less than \$25,000.

<sup>7</sup> Includes projects under the Federal School Construction Program, which provides aid for areas affected by Federal Government activities.

<sup>8</sup> Includes armories, offices, and customhouses.

<sup>9</sup> Includes all buildings on civilian airports and military airfields and air bases with the exception of barracks and other troop housing, which are included under "Troop housing."

<sup>10</sup> Covers all industrial plants under Federal Government ownership, including those which are privately operated.

<sup>11</sup> Includes types of buildings not elsewhere classified.

<sup>12</sup> Includes sewer and water projects, railroad construction, and other types of projects not elsewhere classified.

<sup>13</sup> December 1952 volume is high principally because of contracts let for expansion of TVA facilities to provide power for the Atomic Energy Commission and the Tennessee Valley Authority.

TABLE F-3: Urban building authorized, by principal class of construction and by type of building<sup>1</sup>

Period	Valuation (in thousands)										Number of new dwelling units—House-keeping only					
	Total all classes <sup>2</sup>	New residential building					Non-house-keeping <sup>3</sup>	New non-residential building	Additions, alterations, and repairs	Privately financed				Publicly financed		
		Housekeeping			Publicly financed dwelling units	Total				1-family	2-family <sup>4</sup>	Multi-family <sup>5</sup>				
		Privately financed dwelling units														
		Total	1-family	2-family <sup>4</sup>									Multi-family <sup>5</sup>			
1942	\$2,707,573	\$598,570	\$478,658	\$42,629	\$77,283	\$296,933	\$22,910	\$1,810,688	\$278,472	184,892	138,908	15,747	30,237	95,946		
1943	4,743,414	2,114,833	1,830,290	103,042	181,531	355,587	43,369	1,458,602	771,023	430,195	358,151	24,326	47,718	98,310		
1947	5,563,348	2,865,374	2,361,752	151,036	372,586	42,249	29,831	1,713,489	892,404	502,312	393,699	33,423	75,283	5,833		
1948	6,972,794	3,422,927	2,745,219	181,403	496,215	139,334	38,034	2,367,940	1,004,549	516,179	392,532	36,306	87,341	15,114		
1949	7,398,144	3,724,924	2,845,399	132,365	747,160	285,027	39,785	2,410,311	937,493	575,286	413,543	26,431	135,312	32,194		
1950	10,480,350	5,819,360	4,830,763	178,985	798,612	327,553	84,804	3,156,478	1,092,458	708,409	624,377	33,310	140,812	38,953		
1951	8,918,108	4,380,137	3,817,097	171,343	391,367	847,479	37,875	2,815,066	1,097,011	534,095	435,219	29,895	69,491	60,640		
1952	2,926,672	4,647,014	4,050,435	213,799	382,789	490,378	51,713	2,637,037	1,180,534	563,211	457,389	37,454	68,368	53,626		
1953: January	827,773	267,068	230,354	16,287	20,426	28,684	1,432	159,148	71,441	34,426	27,902	2,892	3,632	3,419		
February	611,085	345,392	300,957	17,276	27,100	26,089	1,532	160,855	77,417	43,237	35,003	3,619	5,215	3,047		
March	783,767	408,651	353,504	18,907	36,341	80,957	4,570	197,739	91,569	50,026	40,294	3,471	6,351	10,094		
April	854,453	465,793	409,964	20,425	35,494	75,698	3,257	219,581	94,674	48,325	45,994	3,566	6,795	9,235		
May	829,940	443,819	388,013	20,737	34,769	62,057	6,729	211,040	106,545	53,352	43,672	2,550	6,139	6,736		
June	867,561	411,226	358,090	17,486	25,678	63,596	3,905	231,571	117,532	48,906	41,107	3,080	4,722	7,008		
July	907,019	423,336	366,052	17,301	33,983	22,554	2,395	252,128	109,607	50,036	41,842	2,938	5,856	2,483		
August	781,678	401,450	347,555	19,001	34,894	12,119	5,781	232,974	99,354	48,768	39,110	3,289	6,309	1,663		
September	800,125	438,618	384,292	20,719	33,697	15,947	7,247	233,598	104,746	52,528	42,767	3,588	6,173	1,701		
October	822,292	450,175	388,207	17,479	44,489	15,080	4,243	246,654	105,549	52,785	42,655	3,055	7,075	1,624		
November	644,786	319,189	276,724	14,498	27,967	21,822	7,451	217,987	79,257	38,314	30,854	2,521	4,939	2,475		
December	602,222	275,806	233,848	13,770	27,681	35,172	3,370	214,990	73,094	33,905	26,399	2,485	5,111	4,141		
1953: January	590,367	278,931	233,070	13,369	32,492	32,280	5,153	195,643	78,380	34,914	28,833	2,347	5,734	3,973		
February	655,229	331,971	281,720	16,345	33,906	33,111	3,101	213,028	84,088	39,953	31,047	2,815	6,091	3,899		
March	941,892	482,342	417,691	19,861	44,790	80,079	6,653	268,018	103,478	56,098	44,647	3,342	8,079	9,298		
April	1,015,568	501,327	438,360	20,964	42,063	26,065	7,077	302,123	119,037	57,235	46,074	3,524	7,627	3,918		
May	910,269	454,976	395,168	20,065	39,713	23,150	6,235	311,049	114,859	52,739	42,477	3,294	6,968	2,457		
June	886,089	447,820	385,891	16,970	44,959	19,976	4,677	288,053	125,563	51,721	41,351	2,635	7,735	2,282		
July	884,063	410,770	352,921	17,967	39,882	5,210	11,135	332,523	124,425	46,697	37,015	2,906	6,776	571		
August	892,374	392,541	338,683	14,682	39,196	9,730	13,109	278,386	108,699	44,528	35,686	2,246	6,596	1,046		
September <sup>6</sup>	785,682	377,700	322,997	14,674	40,029	21,929	15,425	254,387	116,240	47,721	33,615	2,383	6,723	2,678		

<sup>1</sup> Building for which building permits were issued and Federal contracts awarded in all urban places, including an estimate of building undertaken in some smaller urban places that do not issue permits.

The data cover federally and nonfederally financed building construction combined. Estimates of non-Federal (private and State and local government) urban building construction are based primarily on building-permit reports received from places containing about 85 percent of the urban population of the country; estimates of Federally financed projects are compiled from notifications of construction contracts awarded, which are obtained from other Federal agencies. Data from building permits are not adjusted to allow for lapsed permits or for lag between permit issuance and the start of construction. Thus, the estimates do not represent construction actually started during the month.

Urban is defined according to the 1940 Census, and includes all incorporated places of 2,500 inhabitants or more in 1940 and a small number of places, usually minor civil divisions, classified as urban under special rule.

Sums of components do not always equal totals exactly because of rounding.

<sup>2</sup> Covers additions, alterations, and repairs, as well as new residential and nonresidential building.

<sup>3</sup> Includes units in 1-family and 2-family structures with stores.

<sup>4</sup> Includes units in multi-family structures with stores.

<sup>5</sup> Covers hotels, dormitories, tourist cabins, and other nonhousekeeping residential buildings.

<sup>6</sup> Revised.

<sup>7</sup> Preliminary.

TABLE F-4: New nonresidential building authorized in all urban places,<sup>1</sup> by general type and by geographic division<sup>2</sup>

Geographic division and type of new nonresidential building	Valuation (in thousands)																	
	1953												1952	1951	1950			
	Sept. <sup>1</sup>	Aug. <sup>4</sup>	July	June	May	Apr.	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	Sept.	Total	Total	Total		
All types	\$254,387	\$278,386	\$332,823	\$288,053	\$311,049	\$362,123	\$268,016	\$213,028	\$195,643	\$214,990	\$217,087	\$244,654	\$235,568	\$2,637,037	\$2,815,660	\$2,637,037		
New England	15,378	11,952	16,233	17,486	21,323	22,552	14,538	4,958	12,952	7,398	14,312	20,554	16,337	165,928	197,698	165,928		
Middle Atlantic	37,962	44,733	40,125	46,485	47,769	50,012	40,731	20,333	21,670	30,952	52,323	30,510	41,537	440,529	423,143	440,529		
East North Central	56,482	74,963	102,275	68,768	76,925	92,818	49,537	57,025	38,805	46,413	50,315	55,290	52,800	597,588	744,183	597,588		
West North Central	25,759	23,548	30,470	18,584	32,934	25,074	19,846	18,280	11,544	18,391	10,736	25,063	24,915	215,776	205,435	215,776		
South Atlantic	25,533	40,810	44,495	35,810	36,831	52,476	22,261	35,083	36,272	26,219	21,967	21,322	23,586	276,783	306,907	276,783		
East South Central	10,684	10,086	8,558	10,164	6,575	11,631	10,891	9,150	7,246	7,737	9,879	11,913	10,443	120,165	117,328	120,165		
West South Central	28,193	22,425	28,101	41,131	28,552	50,546	28,222	22,049	26,945	23,035	17,547	22,861	22,221	274,142	281,588	274,142		
Mountain	15,421	9,961	17,702	10,749	11,062	17,562	12,836	8,978	9,692	9,954	6,904	12,900	7,500	101,000	103,545	101,000		
Pacific	39,875	39,908	44,503	38,877	49,058	39,452	69,154	28,170	36,599	44,886	33,103	46,162	30,870	444,420	435,953	444,420		
Industrial buildings <sup>5</sup>	25,972	41,198	39,523	37,982	46,826	48,178	32,097	23,252	19,088	26,302	30,342	22,773	40,434	351,530	513,007	351,530		
New England	1,704	1,291	1,982	2,553	2,237	1,904	2,559	1,284	1,109	2,512	1,923	1,614	3,423	28,097	31,916	28,097		
Middle Atlantic	5,501	4,729	6,213	7,335	7,133	9,010	6,983	3,725	3,036	4,121	6,085	4,522	7,628	60,919	97,144	60,919		
East North Central	6,307	21,156	18,399	12,380	20,765	10,228	7,787	8,051	4,458	9,499	11,612	8,059	13,940	111,839	205,815	111,839		
West North Central	3,090	2,147	3,055	1,225	1,246	2,316	2,369	1,629	1,712	1,752	1,582	3,954	2,911	24,305	25,308	24,305		
South Atlantic	1,357	2,341	2,199	3,774	3,689	4,447	3,771	924	577	1,552	1,938	4,076	1,142	19,366	25,337	19,366		
East South Central	441	1,359	662	707	447	3,771	924	577	1,552	1,938	399	869	1,177	17,192	18,328	17,192		
West South Central	2,033	2,258	801	1,026	1,713	1,987	856	361	797	647	640	812	1,177	17,192	18,328	17,192		
Mountain	271	1,359	662	707	447	3,771	924	577	1,552	1,938	399	869	1,177	17,192	18,328	17,192		
Pacific	5,269	5,562	5,587	8,774	9,107	5,954	8,708	4,475	4,890	3,188	2,088	3,611	1,046	8,981	6,103	8,981		
Commercial buildings <sup>6</sup>	93,263	91,247	112,910	96,137	101,017	124,887	84,822	62,400	64,662	63,151	53,673	84,291	75,309	686,346	739,912	686,346		
New England	4,935	3,649	4,487	2,832	4,420	7,481	5,180	1,374	5,105	1,647	2,219	2,557	2,705	28,766	36,806	28,766		
Middle Atlantic	16,293	13,096	16,290	10,237	21,798	17,639	14,338	9,739	7,149	9,319	12,832	12,519	15,092	121,120	111,793	121,120		
East North Central	22,021	20,176	26,805	16,182	17,706	35,344	14,943	12,915	11,075	16,949	9,555	25,953	11,778	144,107	155,535	144,107		
West North Central	7,928	8,056	6,069	6,808	10,296	12,813	5,278	4,193	2,175	4,495	4,292	6,048	7,518	58,056	43,206	58,056		
South Atlantic	8,477	21,102	22,294	12,903	14,316	11,493	9,166	11,234	10,470	7,474	6,615	9,246	8,192	87,985	90,315	87,985		
East South Central	3,514	3,083	3,666	3,405	2,782	2,951	2,885	2,017	3,385	1,951	1,466	2,547	2,106	36,615	36,615	36,615		
West South Central	9,346	5,715	12,671	20,558	10,736	13,493	13,347	9,201	11,829	9,786	6,437	8,018	11,800	91,771	93,132	91,771		
Mountain	8,080	3,149	5,045	3,307	4,204	10,171	3,186	3,031	4,697	1,235	2,132	6,441	2,931	30,392	28,161	30,392		
Pacific	12,126	13,162	15,934	13,906	14,759	13,201	16,499	8,696	8,778	10,325	5,726	11,029	14,144	101,012	137,790	101,012		
Community buildings <sup>7</sup>	96,029	100,476	136,250	102,894	119,215	123,702	114,991	80,144	71,923	85,808	105,549	84,771	81,482	1,101,141	1,146,507	1,101,141		
New England	7,172	4,541	8,911	6,549	8,881	9,282	4,307	1,951	1,230	1,230	1,230	1,230	1,230	13,811	163,155	13,811		
Middle Atlantic	11,327	23,349	9,949	12,890	14,607	19,193	16,169	14,599	9,840	13,951	30,392	10,435	13,811	153,155	167,809	153,155		
East North Central	17,844	20,272	46,284	26,956	25,579	27,351	19,144	14,386	18,737	13,749	18,161	15,704	20,169	227,139	203,047	227,139		
West North Central	11,921	9,697	18,026	7,136	17,728	6,626	10,319	9,515	6,199	9,416	3,247	12,210	10,105	103,712	106,090	103,712		
South Atlantic	12,070	8,913	15,814	13,360	15,572	34,538	7,181	15,302	9,082	9,315	11,396	7,978	5,155	115,712	142,405	115,712		
East South Central	5,435	4,406	1,469	4,500	2,258	3,575	4,977	5,886	1,451	3,918	6,743	8,011	6,113	57,098	43,328	57,098		
West South Central	10,299	11,011	8,758	15,499	12,920	14,414	10,292	9,073	11,496	9,009	8,624	8,428	6,985	117,204	124,350	117,204		
Mountain	3,371	4,877	9,216	5,385	3,800	4,718	7,515	6,221	3,053	7,253	2,541	3,356	2,540	34,827	32,160	34,827		
Pacific	16,681	13,432	17,792	10,518	17,871	13,605	34,967	9,290	10,365	15,033	17,453	11,812	8,569	174,243	141,299	174,243		
Public buildings <sup>8</sup>	3,875	7,087	4,384	13,709	13,824	13,476	6,063	22,739	10,937	13,720	8,414	23,037	6,838	152,537	109,398	152,537		
New England	0	711	20	429	1,294	609	51	256	40	70	463	6,421	1,340	19,451	4,354	19,451		
Middle Atlantic	125	285	381	6,145	1,585	609	51	256	40	70	463	6,421	1,340	19,451	4,354	19,451		
East North Central	448	731	656	1,299	5,407	5,743	1,133	17,488	673	1,638	2,222	1,188	607	15,650	25,372	15,650		
West North Central	502	285	467	696	332	1,502	51	472	243	682	0	544	603	4,246	2,463	4,246		
South Atlantic	209	1,227	611	4,114	1,197	287	189	1,812	1,027	1,926	1,212	814	2,499	16,517	18,147	16,517		
East South Central	44	55	0	175	419	639	480	105	125	0	248	50	519	10,841	305	10,841		
West South Central	387	212	14	176	390	2,608	648	339	450	1,119	319	2,163	111	7,348	15,809	7,348		
Mountain	906	96	806	5	329	419	0	307	290	281	184	451	530	14,480	4,101	14,480		
Pacific	1,254	3,484	1,718	700	2,850	753	3,302	1,912	7,485	7,485	405	11,240	286	60,035	22,466	60,035		
Public works and utility buildings <sup>9</sup>	13,641	11,668	14,140	12,113	7,787	31,547	11,482	12,758	20,810	14,313	8,740	9,899	7,919	135,525	115,708	135,525		
New England	143	567	536	3,632	2,860	1,897	1,716	379	4,651	344	924	1,260	359	6,296	8,501	6,296		
Middle Atlantic	1,528	1,301	5,335	1,112	709	1,065	1,586	345	745	1,477	494	791	1,413	23,540	11,161	23,540		
East North Central	2,565	4,184	1,509	3,904	673	7,383	1,700	4,611	2,314	2,247	8,019	661	1,826	33,612	35,028	33,612		
West North Central	418	1,363	614	1,174	573	351	379	1,840	778	1,465	226	339	700	7,618	9,672	7,618		
South Atlantic	1,156	1,692	2,078	181	673	2,541	1,767	8,856	5,919	1,287	949	420	940	12,736	9,629	12,736		
East South Central	650	123	889	28	287	24	848	180	380	312	154	410	407	3,720	1,968	3,720		
West South Central	3,724	880	1,700	654	777	15,505	662	812	1,470	246	312	794	1,002	19,991	11,058	19,991		
Mountain	1,576	462	951	74	44	128	120	20	312	340	257	128	444	3,365	2,094	3,365		
Pacific	1,880	1,176	468	1,354	1,238	2,954	2,708	713	4,290	6,596	416	8,105	792	24,648	26,279	24,648		
Other buildings <sup>10</sup>	21,607	26,707	25,316	25,220	22,390	20,334	15,620	11,736	8,215	15,696	12,960	21,894	21,595	299,966	191,227	299,966		
New England	1,425	1,193	1,297	1,401	1,631	1,372	557	292	252	681	1,991	2,077	2,299	22,331	18,305	22,331		
Middle Atlantic	2,268	1,975	7,967	2,766	1,837	2,967	1,625	766	849	1,539	1,901	2,077	2,260	22,331	18,305	22,331		
East North Central	7,246	8,464	8,612	8,077	6,060	7,700	4,829	2,564	1,847	2,3,								



TABLE F-5: Number and construction cost of new permanent nonfarm dwelling units started, by urban or rural location, and by source of funds<sup>1</sup>

Period	Number of new dwelling units started									Estimated construction cost (in thousands) <sup>2</sup>		
	All units			Privately financed			Publicly financed			Totals	Privately financed	Publicly financed
	Total non-farm	Urban	Rural non-farm	Total non-farm	Urban	Rural non-farm	Total non-farm	Urban	Rural non-farm			
1925	937,000	752,000	185,000	937,000	752,000	185,000	0	0	0	\$4,475, 90	\$4,475,000	0
1933 <sup>3</sup>	93,000	45,000	48,000	93,000	45,000	48,000	0	0	0	283,448	283,448	0
1941 <sup>4</sup>	706,100	434,300	271,800	619,500	369,500	250,000	88,600	64,800	21,800	2,826,192	2,830,765	\$295,427
1944 <sup>5</sup>	141,800	95,200	45,600	138,700	93,200	45,500	3,100	3,000	100	466,754	483,231	12,823
1946	670,500	403,700	266,800	662,500	395,700	266,800	8,000	8,000	0	3,769,167	3,713,776	55,991
1947	849,000	479,800	369,200	845,600	478,400	369,200	3,400	3,400	0	5,643,36	5,617,425	26,011
1948	631,600	324,900	306,700	613,500	310,600	303,500	18,100	14,900	3,200	7,263,119	7,028,980	174,139
1949	1,025,100	588,800	436,300	985,800	555,600	432,200	36,300	32,200	4,100	7,702,971	7,374,269	328,702
1950 <sup>6</sup>	1,306,000	827,900	478,100	1,312,200	785,600	566,600	43,800	42,200	1,600	11,788,595	11,418,371	370,224
1951	1,691,300	995,300	696,000	1,620,100	931,300	648,800	71,200	64,000	7,200	9,800,852	9,186,123	614,769
1952	1,127,000	609,600	517,400	1,068,500	554,600	513,900	58,500	55,000	3,500	10,208,983	9,706,276	502,707
1951: First quarter	260,300	147,800	112,500	248,900	137,200	111,700	11,400	10,600	800	2,293,974	2,191,480	102,485
January	85,600	49,600	36,000	82,200	46,400	35,800	3,700	3,200	500	755,600	721,014	34,586
February	80,600	47,000	33,600	76,500	43,200	33,300	4,100	3,800	300	716,629	681,697	35,022
March	94,100	51,200	42,900	90,200	47,600	42,600	3,600	3,400	200	821,745	788,808	32,877
Second quarter	329,700	192,000	137,700	290,200	148,500	131,700	49,500	43,500	6,000	2,964,810	2,849,238	115,572
April	98,200	51,900	44,300	92,300	48,300	44,000	3,900	3,600	300	869,652	828,339	38,313
May	101,000	55,400	45,600	97,600	52,300	45,300	3,000	3,100	300	922,661	895,309	27,352
June	132,500	84,700	47,800	90,300	47,900	42,400	42,200	36,800	5,400	1,175,497	1,025,590	149,907
Third quarter	276,000	141,200	134,800	270,400	135,700	134,700	5,600	5,500	100	2,527,033	2,472,196	54,837
July	90,500	45,900	44,600	86,800	42,300	44,500	3,700	3,600	100	827,173	791,783	35,390
August	89,100	45,900	43,200	86,300	45,100	43,200	800	800	0	804,317	765,624	38,693
September	96,400	49,400	47,000	93,300	48,300	47,000	1,100	1,100	0	895,543	884,789	10,754
Fourth quarter	225,300	114,300	111,000	220,600	105,900	110,700	4,700	4,400	300	2,015,075	1,973,290	41,785
October	60,000	44,400	45,600	58,900	43,400	45,500	1,100	1,000	100	806,955	796,682	10,273
November	74,500	38,500	36,000	72,200	36,200	36,000	2,300	2,300	0	672,778	650,660	22,118
December	60,800	31,400	29,400	59,500	30,300	29,200	1,300	1,100	200	536,422	525,858	10,564
1952: First quarter	246,500	137,400	109,100	228,800	119,100	107,700	19,700	18,300	1,400	2,167,659	2,096,918	190,741
January	64,500	36,100	28,800	61,400	32,800	28,600	3,300	3,300	0	566,665	537,697	28,968
February	77,700	42,800	34,900	74,300	39,700	34,600	3,400	3,100	300	682,95	654,631	28,324
March	103,900	58,500	45,400	91,100	46,600	44,500	12,800	11,900	900	918,799	814,590	103,909
Second quarter	319,300	175,800	143,500	294,900	152,700	142,200	24,400	23,100	1,300	2,920,186	2,765,633	214,533
April	106,200	60,000	47,200	97,000	50,400	46,600	9,200	8,600	600	949,001	874,524	74,477
May	109,600	60,700	48,900	101,000	52,400	48,600	8,600	8,300	300	1,006,552	926,803	79,749
June	103,500	56,100	47,400	96,900	49,900	47,000	6,600	6,200	400	964,633	904,326	60,307
Third quarter	302,500	156,000	146,500	297,700	151,600	146,100	4,400	4,400	400	2,761,316	2,718,369	42,947
July	102,600	52,400	50,200	101,100	50,900	50,200	1,500	1,500	0	945,387	931,214	14,173
August	99,100	50,800	48,900	97,400	49,400	48,000	1,700	1,400	300	895,678	882,446	13,232
September	100,800	52,800	48,000	99,200	51,300	47,900	1,600	1,500	100	920,054	904,709	15,345
Fourth quarter	258,700	140,400	118,300	249,100	131,200	117,900	9,600	9,200	400	2,359,822	2,275,336	84,486
October	101,100	53,800	47,300	99,200	52,100	47,100	1,900	1,700	200	928,677	910,701	17,976
November	86,100	46,600	40,100	82,300	42,300	40,900	3,800	3,700	100	785,969	751,664	34,305
December	71,500	40,600	30,900	67,600	36,800	30,800	3,900	3,800	100	645,176	612,971	32,205
1953: First quarter	257,100	140,600	116,500	238,100	123,800	114,300	19,000	16,800	2,200	2,346,713	2,183,710	162,603
January	72,100	38,400	33,700	68,200	35,400	32,800	3,900	3,000	900	641,13	610,344	31,359
February	79,200	43,100	36,100	73,800	38,600	35,200	8,400	4,600	900	729,34	674,369	45,835
March	105,800	59,100	46,700	96,100	49,800	46,300	9,700	9,300	400	984,76	898,967	85,399
Second quarter	324,300	165,900	158,400	315,000	158,000	157,000	9,300	7,900	1,400	3,082,96	3,000,120	83,136
April	111,400	57,400	54,000	107,400	54,100	53,300	4,000	3,300	700	1,057,99	1,022,836	35,063
May	108,300	55,200	53,100	105,600	52,500	53,100	2,700	2,700	0	1,027,221	1,001,693	25,528
June	104,600	53,300	51,300	102,000	51,400	50,600	2,600	1,900	700	998,136	975,591	22,545
Third quarter	282,700	148,100	136,600	278,400	147,800	136,600	4,300	3,000	0	2,741,780	2,703,441	38,339
July	96,700	48,100	48,600	96,400	47,800	48,600	300	300	0	941,943	938,471	3,072
August	94,000	(1) <sup>7</sup>	(1) <sup>8</sup>	93,000	(1) <sup>9</sup>	(1) <sup>10</sup>	1,600	(1) <sup>11</sup>	(1) <sup>12</sup>	904,778	895,598	9,180
September	92,000	(1) <sup>7</sup>	(1) <sup>8</sup>	89,000	(1) <sup>9</sup>	(1) <sup>10</sup>	3,000	(1) <sup>11</sup>	(1) <sup>12</sup>	895,509	868,972	26,087
Fourth quarter	88,000	(1) <sup>7</sup>	(1) <sup>8</sup>	88,000	(1) <sup>9</sup>	(1) <sup>10</sup>	(7)	(1) <sup>11</sup>	(1) <sup>12</sup>	(1) <sup>13</sup>	(1) <sup>14</sup>	(1) <sup>15</sup>

<sup>1</sup> The estimates shown here do not include temporary units, conversions, dormitory accommodations, trailers, or military barracks. They do include prefabricated housing units.

These estimates are based on building-permit records, which, beginning with 1945, have been adjusted for lagged permits and for lag between permit issuance and start of construction. They are based also on reports of Federal construction contract awards and beginning in 1946 on field surveys in non-permit-issuing places. The data in this table refer to nonfarm dwelling units started, and not to urban dwelling units authorized, as shown in table F-3.

All of these estimates contain some error. For example, if the estimate of nonfarm starts is 80,000, the chances are about 19 out of 20 that an actual enumeration would produce a figure between 45,000 and 82,000.

<sup>2</sup> Private construction costs are based on permit valuation, adjusted for understatement of costs shown on permit applications. Public construction costs are based on contract values or estimated construction costs for individual projects.

<sup>3</sup> Depression, low year.

<sup>4</sup> Recovery peak year prior to wartime limitations.

<sup>5</sup> Last full year under wartime control.

<sup>6</sup> Housing peak year.

<sup>7</sup> Less than 50 units.

<sup>8</sup> Preliminary.

<sup>9</sup> Revised.

<sup>10</sup> Not available.

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